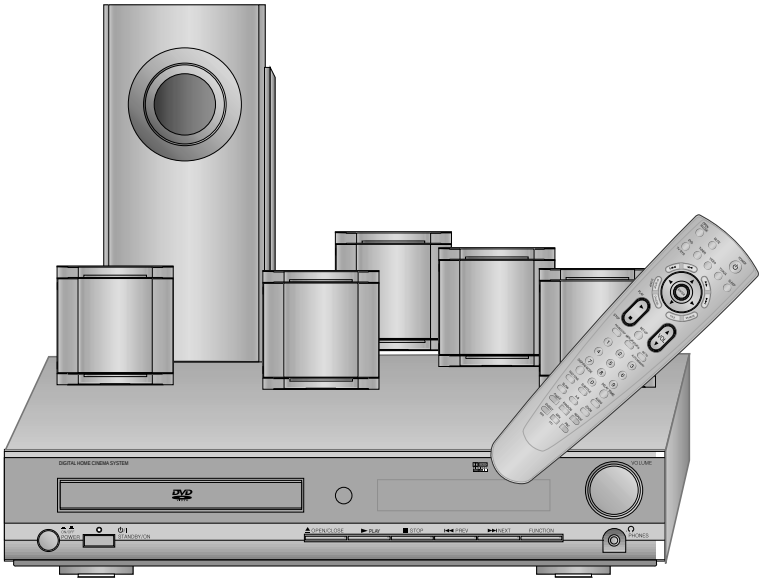
S/N No. : 9CD8301700

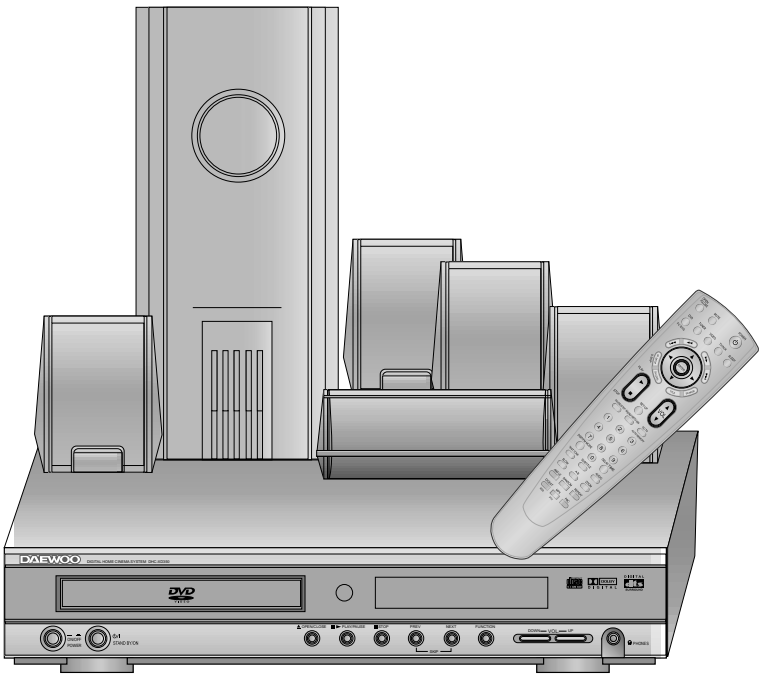
Service Manual

Digital Home Cinema System

Model: DHC-XD300 Series
DHC-XD350 Series



DHC-XD300 Series



DHC-XD350 Series

DAEWOO ELECTRONICS CO., LTD.

http : //svc.dwe.co.kr

May 2003

DIGITAL HOME CINEMA SYSTEM

DHC-XD 300/350
DHC-XD 300/350P (with Pro Logic II)
DHC-XD 300/350S (with Progressive Scan)
DHC-XD 300/350PS (with Pro Logic II, Progressive Scan)

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- ELECTRICAL PARTS LIST

1. Safety Precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	CAUTION RISK OF ELECTRIC SHOCKS DO NOT OPEN
CAUTION : TO REDUCE THE RISK IF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	
	THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULTED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.
	THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

LASER SAFETY

THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION : POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
- The safety and operating instructions should be retained for future reference.
- All warnings on the appliance and in the operating instructions should be adhered to.
- All operating and use instructions should be followed.

1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.

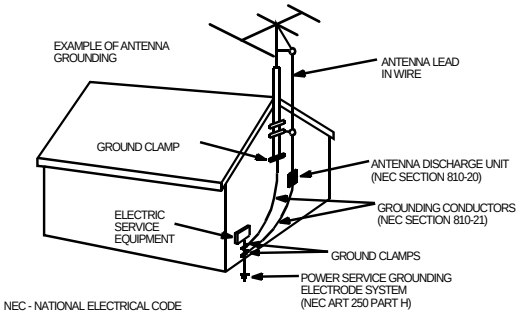
PORTABLE CART

Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by th manufacturer.
3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - If the appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.

1. Safety Precautions

13.Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-dis charge unit, size of grounding conductors,location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.


EXAMPLE OF ANTENNA GROUNDING
ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250 PART H)
NEC - NATIONAL ELECTRICAL CODE

14.Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15.Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16.Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

a) The power-supply cord or the plug has been damaged; or

b) Objects have fallen, or liquid has been spilled into the appliance; or

c) The appliance has been exposed to rain; or

d) The appliance does not appear to operate normally or exhibits a marked change in performance; or

e) The appliance has been dropped, or the enclosure damaged.

17.Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

2. Specifications

Power supply Voltage (Option)	AC 110V or 120V or 127V or 220V or 230V or 240V (50/60Hz)	**Power consumption**	Standby 2Watt Operating 80Watt
		Dimensions (W x D x H) / Weight	360 x 380 x 70mm/ 6.7 kg

Front Amp. Section

POWER OUTPUT at 1% THD(DIN)	At 1KHz, 8 ohms	30W
THD(Total Harmonic Distortion)	At 1KHz, 1W	0.1%
Input Sen. / Impedance @ 1KHz, 47K ohms	VIDEO, TV/AUX	200mV±30mV/47K
Output Level/Impedance @ 1KHz	Video Rec	200mV±30mV/2.2K
Frequency Response(Analogue)	at 1W : TV/AUX -3dB	20Hz~20KHz
S/N Ratio IHF-A Weighted	TV/AUX	70dB
Subwoofer Turnover Frequency		≤120Hz
Channel Separation	TV/AUX:1KHz	65dB
Crosstalk	VIDEO -->TV/AUX	65dB
	TV/AUX--> VIDEO	65dB

Center Amp Section

POWER OUTPUT at 1% THD(DIN)	At 1KHz, 8 ohms	30W
TOTAL HARMONIC DISTORTION	At 1KHz, 1W	0.1%
S/N RATIO, IHF-A FILTER	10W	70dB
FREQUENCY RESPONSE	1W	135Hz~18KHz

Rear Amp Section

POWER OUTPUT 1% THD(DIN)	At 1KHz, 8 ohms	30W
TOTAL HARMONIC DISTORTION	At 1KHz, 1W	0.1%
S/N RATIO DOLBY	10W	70dB
FREQUENCY RESPONSE	1W	135Hz~18KHz

Subwoofer Section

POWER OUTPUT at 10% THD	At 100Hz, 8 ohms	30W
FREQUENCY RESPONSE	1W	20Hz~150Hz
S/N RATIO, IHF-A Weight		60dB

Video Section

Input Sen./Impedance	Composite Video(Video)	1Vp-p/75 ohm	±0.5 dB
Output Level/Impedance	Composite 75 ohm	1Vp-p/75 ohm	±0.5 dB
	S-Video(Y/C) 75 ohm(DVD only)	1Vp-p/ 0.286Vp-p	±0.5 dB
	Component Out(Y/ Cb/ Cr):Option	1Vp-p/0.7Vp-p/0.7Vp-p	±0.5 dB
Frequency Response	Ref 500KHz		5Hz~5.7MHz
Crosstalk	@1MHz	45dB	40dB
S/N Ratio	DVD	60dB	

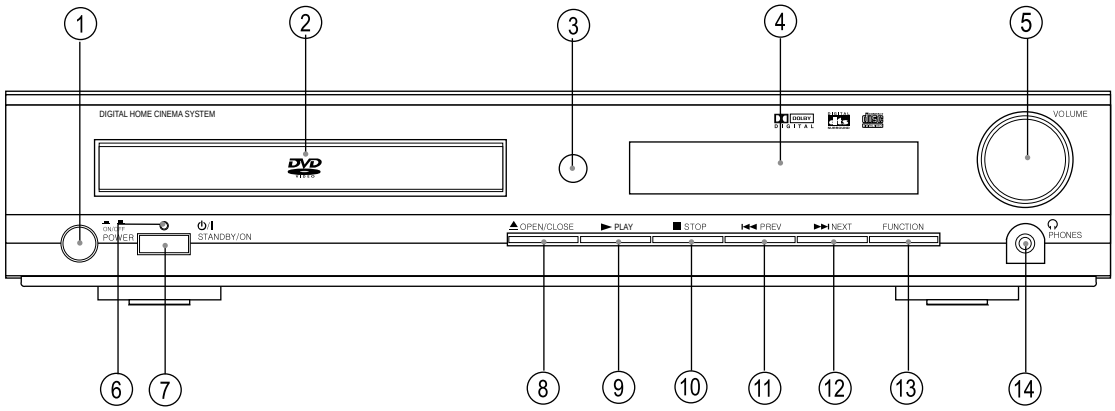
FM Tuner Section (FM ANT Impedance : 75 ohms)

Tuning Range	USA Version	87.5~108.0MHz
	Europe Version	87.5~108.0MHz
Scanning Frequency Interval	USA Version	100KHz
	Europe Version	50KHz
Usable Sensitivity, 75 ohms	S/N=30dB,USA Version	2uV(17.2dBf)
	S/N=26dB,Europe Version	3uV(20.8dBf)
S/N Ratio @1mV IHF-A FILTER	Mono USA Version	70dB
	Mono Europe Version	70dB
	Stereo USA Version	65dB
	Stereo Europe Version	63dB

3. Location of Users Controls

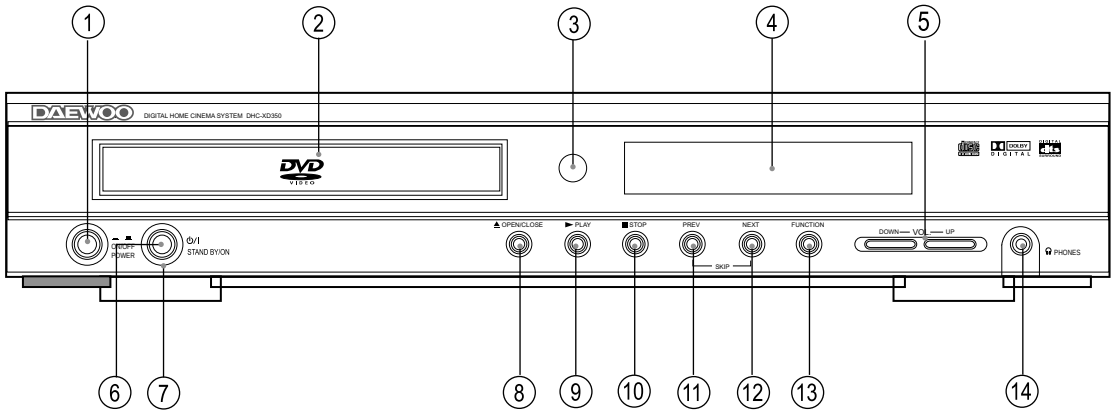
● Front Panel

1) DHC-XD300 Series



1. POWER ON/OFF switch
2. DVD/VIDEO CD/MP3 CD/audio CD disc tray
3. Remote Control Sensor
4. Display
5. MASTER VOLUME control
6. STANDBY indicator
7. STANDBY/ON button
8. OPEN/CLOSE (▲) button
9. PLAY (►) button
10. STOP (■) button
11. PREV (I◄◄) button
12. NEXT (►►I) button
13. FUNCTION button
14. PHONES jack

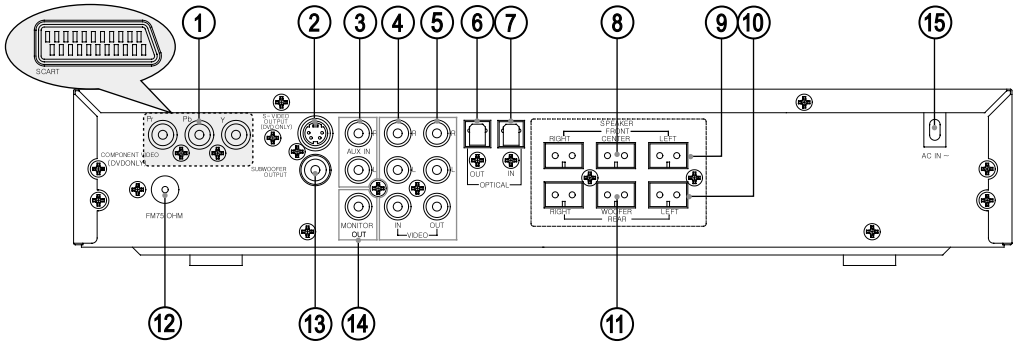
2) DHC-XD350 Series



1. POWER ON/OFF switch
2. DVD/VIDEO CD/MP3 CD/audio CD disc tray
3. Remote Control Sensor
4. Display
5. MASTER VOLUME control
6. STANDBY indicator
7. STANDBY/ON button
8. OPEN/CLOSE (▲) button
9. PLAY (►) button
10. STOP (■) button
11. PREV (I◄◄) button
12. NEXT (►►I) button
13. FUNCTION button
14. PHONES jack

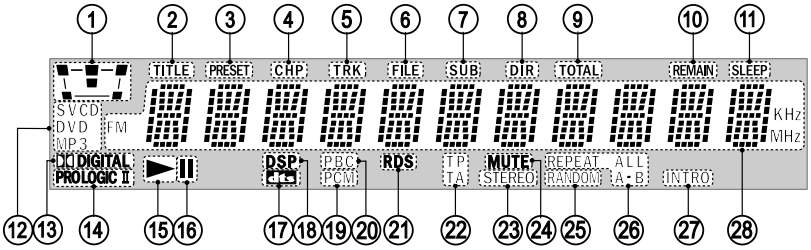
3. Location of Users Controls

● Rear Panel



1. COMPONENT VIDEO OUTPUT Y/Pb/Pr jacks or SCART jack(Optional)
2. S VIDEO MONITOR OUT jack
3. AUX IN jacks
4. VIDEO (IN) jack
5. VIDEO (OUT) jack
6. DIGITAL OUTPUT jack
7. DIGITAL IN jack : DHC-XD300P/PS, 350P/PS only
8. CENTER SPEAKER connector
9. FRONT SPEAKER connector
10. REAR SPEAKER connector
11. WOOFER SPEAKER connector
12. FM ANTENNA connector
13. SUBWOOFER output jack
14. MONITOR OUT jack
15. Power cord

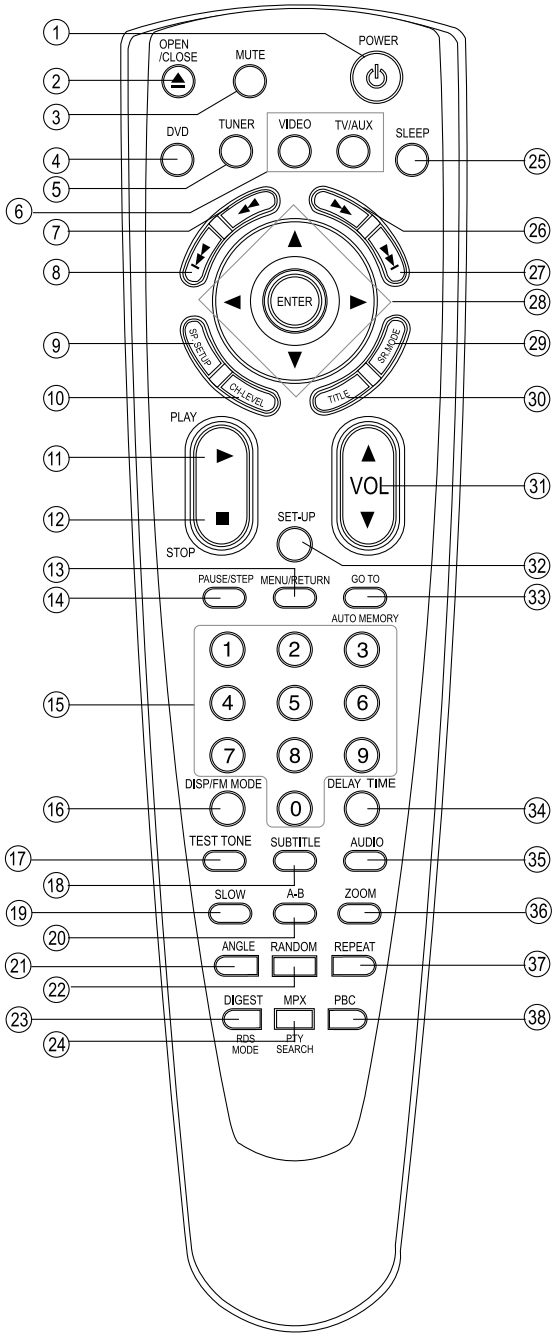
● Display


1 2 3 4 5 6 7 8 9 10 11
TITLE PRESET CHP TRK FILE SUB DIR TOTAL REMAIN SLEEP
SVCD DVD MP3 FM
KHz MHz
DIGITAL PROLOGIC II
DSP dts
PBC PCM
RDS
TP TA
MUTE STEREO
REPEAT ALL RANDOM A-B
INTRO
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

1. SPEAKER CONFIGURATION indicator
2. TITLE indicator
3. PRESET indicator
4. CHAPTER indicator
5. TRACK indicator
6. FILE indicator
7. SUB indicator
8. DIR indicator
9. TOTAL indicator
10. REMAIN indicator
11. SLEEP indicator
12. SOURCE indicator
13. DOLBY DIGITAL indicator
14. PROLOGIC / PROLOGIC II indicator
15. PLAY indicator
16. PAUSE indicator
17. DTS indicator
18. DSP indicator
19. PCM indicator
20. PBC(Playback Control) indicator
21. RDS indicator
22. TA/TP indicator
23. STEREO indicator
24. MUTE indicator
25. RANDOM indicator
26. REPEAT indicator
27. INTRO indicator
28. Playing Information display

3. Location of Users Controls

● Remote Controller

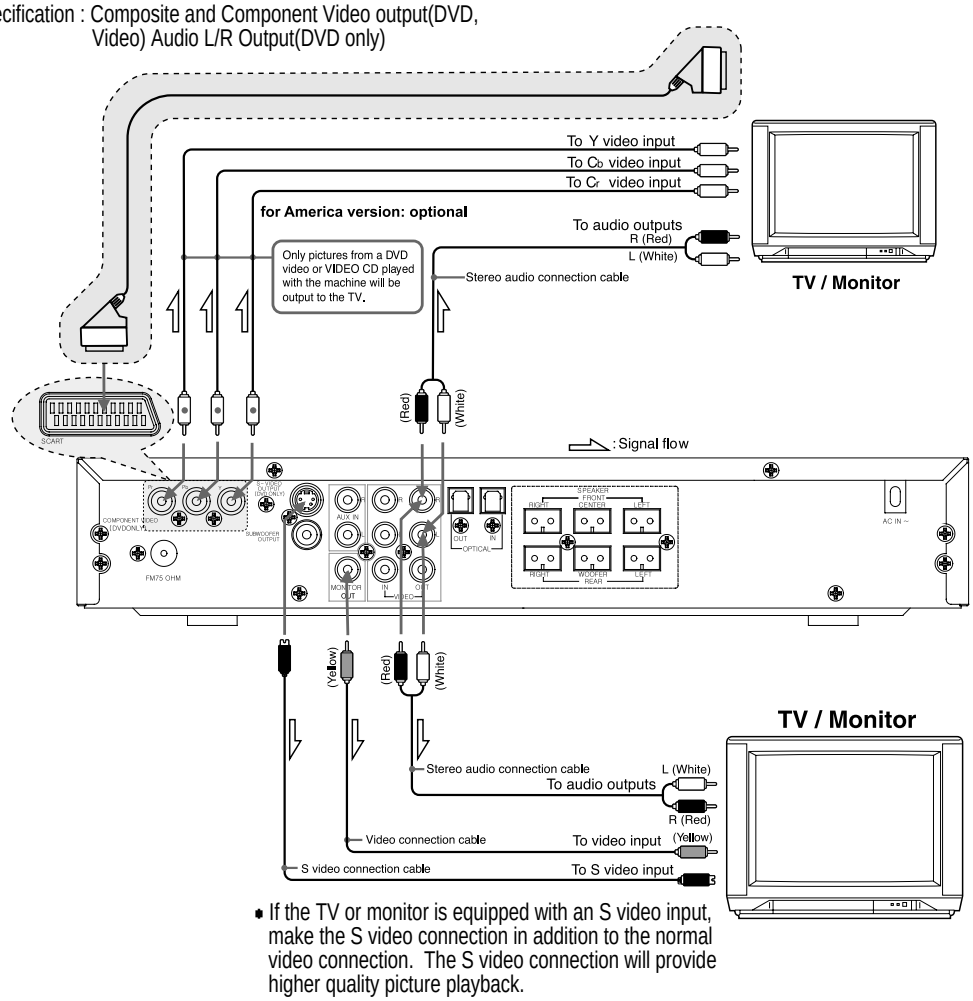


1. STANDBY/ON(POWER) button
2. OPEN/CLOSE button
3. MUTE button
4. Input Selector : DVD button
5. Input Selector : TUNER button
6. Input Selector : VIDEO, TV/AUX button
7. FAST REVERSE(FR) (◀◀) button
8. SKIP PREV (I◀◀) button
9. SPEAKER SETUP button
10. CH LEVEL button
11. PLAY (▶) button
12. STOP(■) button
13. MENU/RETURN button
14. PAUSE/STEP button
15. Number buttons
16. DISPLAY/FM MODE button
17. TEST TONE button
18. SUBTITLE button
19. SLOW button
20. A-B Repeat button
21. ANGLE button
22. RANDOM button
23. DIGEST/RDS MODE button
24. MPX/PTY SEARCH button
25. SLEEP button
26. FAST FORWARD(FF) (▶▶) button
27. SKIP NEXT (▶▶I) button
28. MOVE ▲/▼/◀/▶/ENTER buttons
29. SURROUND MODE button
30. TITLE button
31. VOLUME ▲/▼ buttons
32. SET-UP button
33. GO TO/AUTO MEMORY button
34. DELAY TIME button
35. AUDIO button
36. ZOOM button
37. REPEAT button
38. PBC button

4. Connecting to Equipment

● Connecting to TV

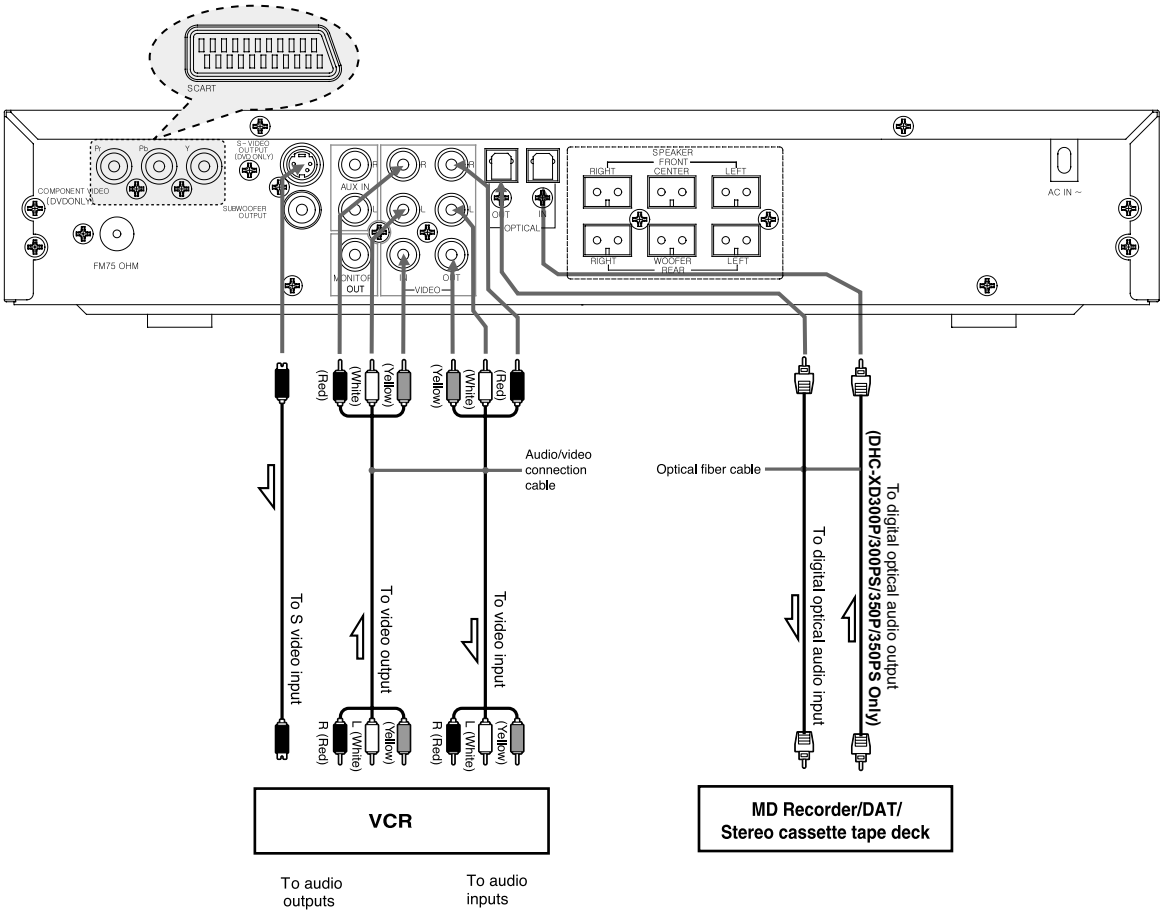
- 21-Pin SCART Cable(not included) to 21-pin SCART input terminal on TV
- SCART Specification : Composite and Component Video output(DVD, Video) Audio L/R Output(DVD only)



- If the TV or monitor is equipped with an S video input, make the S video connection in addition to the normal video connection. The S video connection will provide higher quality picture playback.

4. Connecting to Equipment

● Connecting to AUDIO & VIDEO



4. Connecting to Equipment

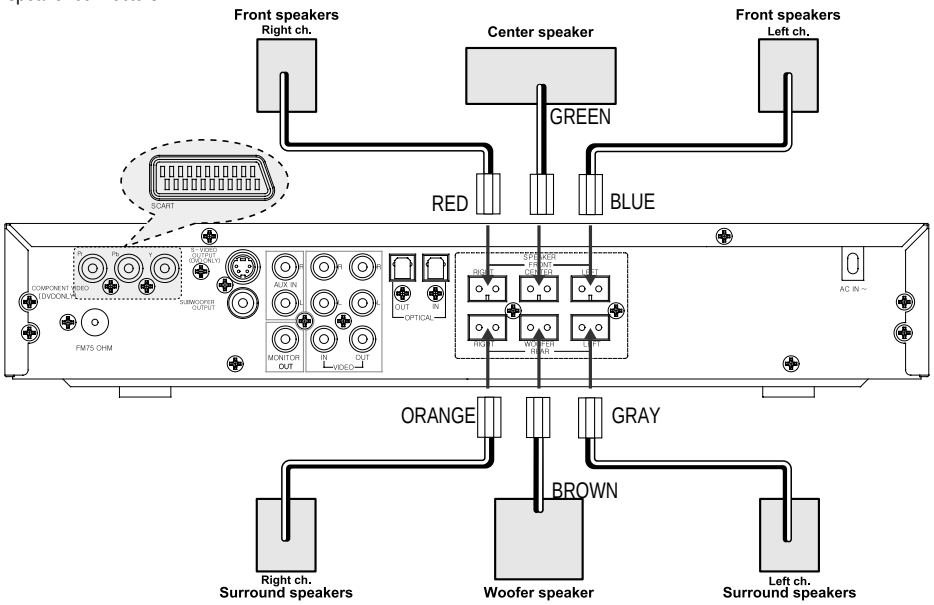
● Connecting to Speakers

◆ **Before connecting**

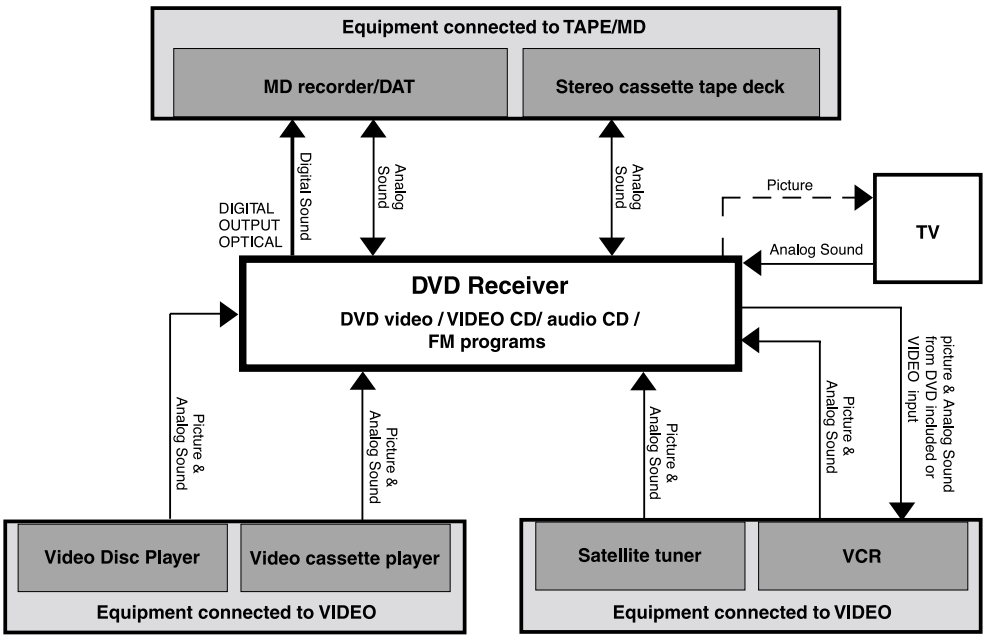
- Refer also to the instruction manuals of the speakers.
- This machine is designed to reproduce optimum sound quality when speakers with the specified impedance below are connected.Please check the following information and choose speakers with appropriate impedance for the connections.

Front speakers / Center speaker / Surround Speakers : 8 ohms min. per speaker
Subwoofer speaker : 8 ohm min

- To prevent damage to circuits, never short-circuit the positive (+) and negative (-) speaker wires.
- Do not connect the speaker cable to the L and R connectors at the same time and do not connect more than one speaker to the same speaker connectors.



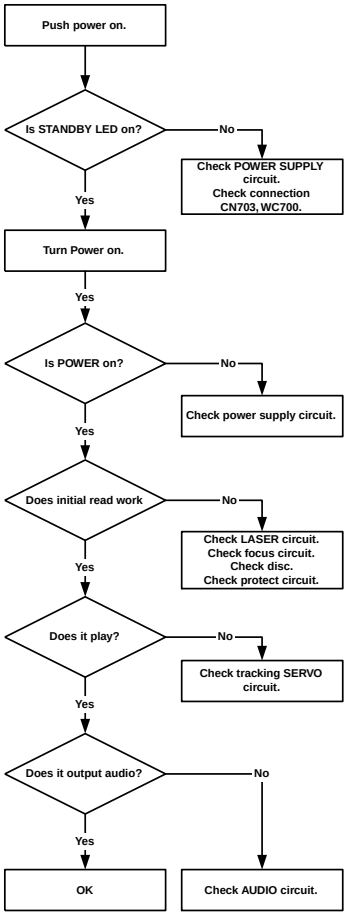
● Connectiong to Recording Equipments



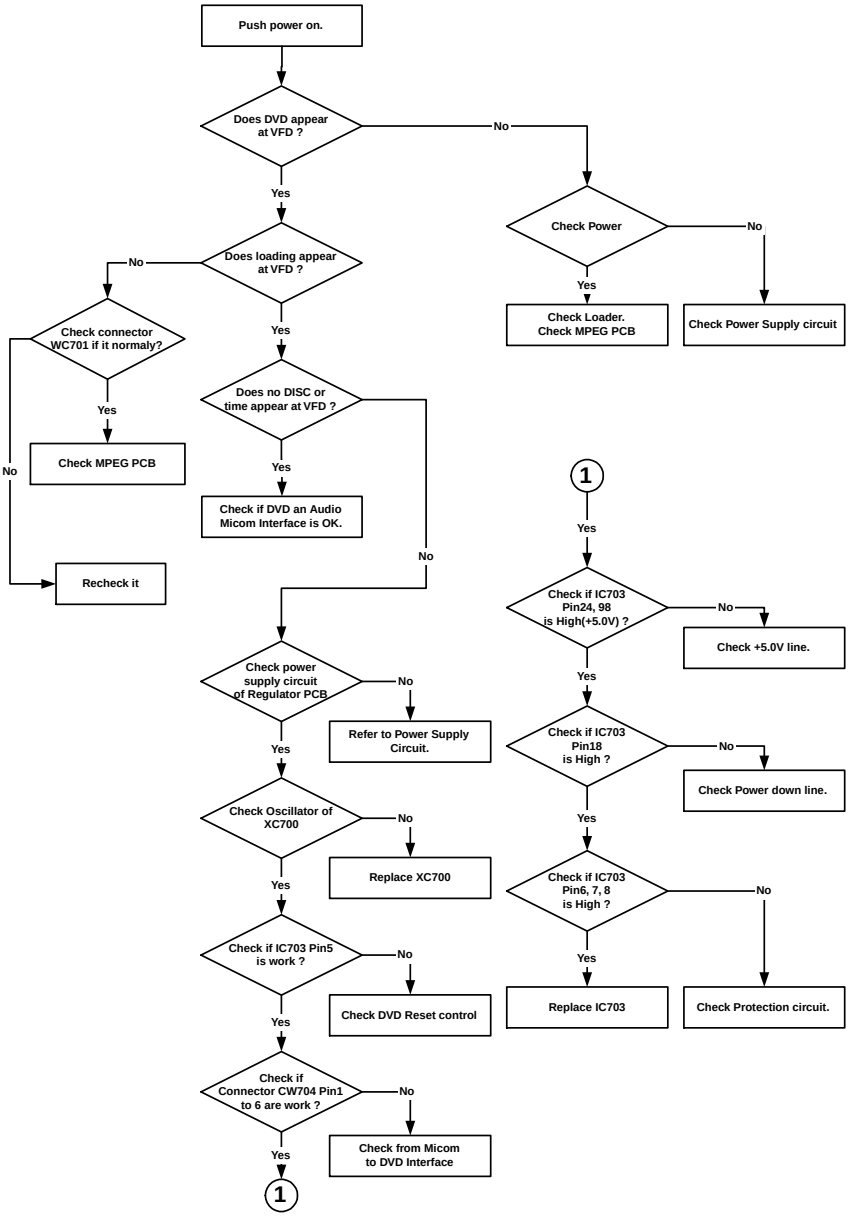
5. Trouble Shooting Guide

● Audio Part

1. Basic Operating

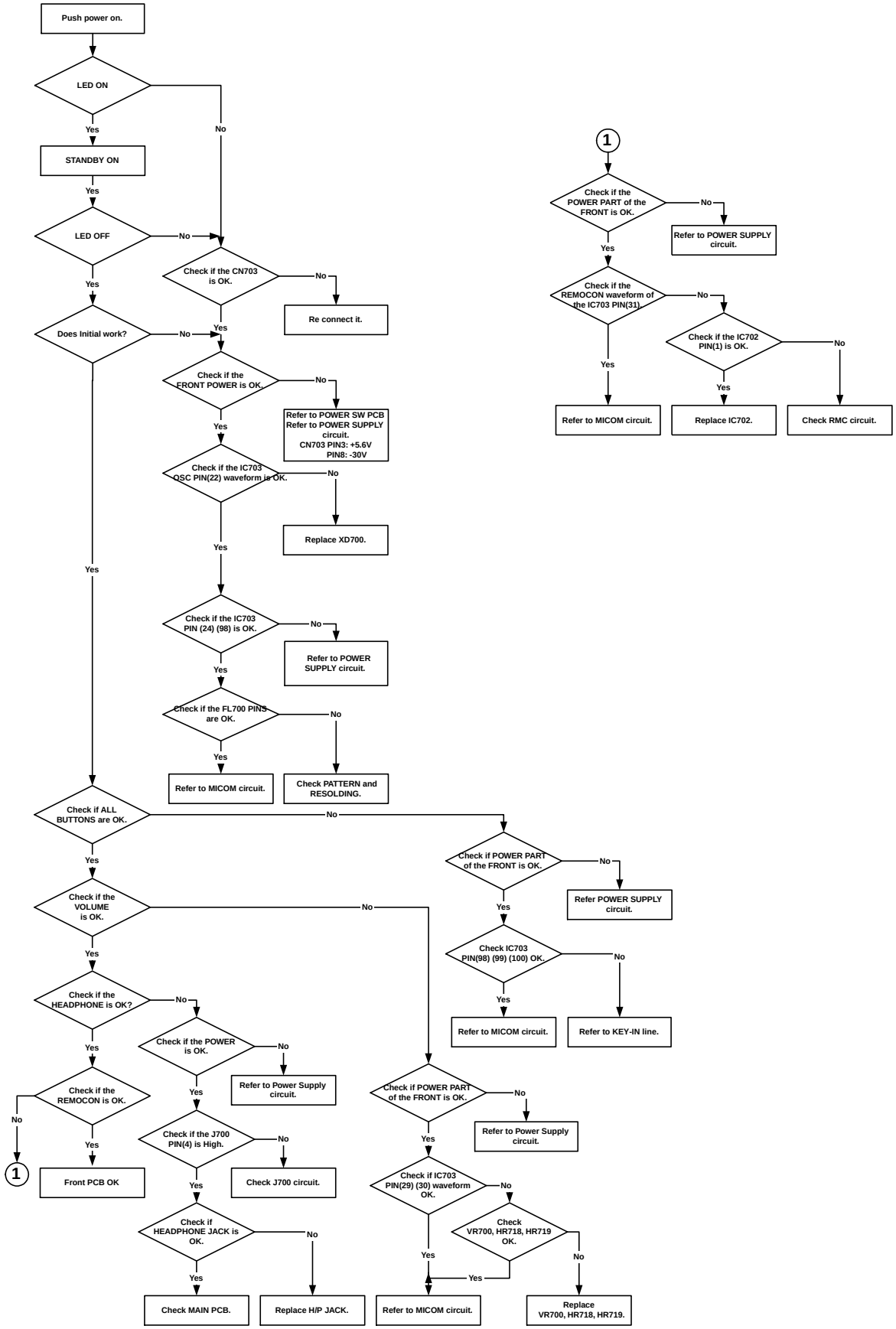


2. Front Micom Circuit



5. Trouble Shooting Guide

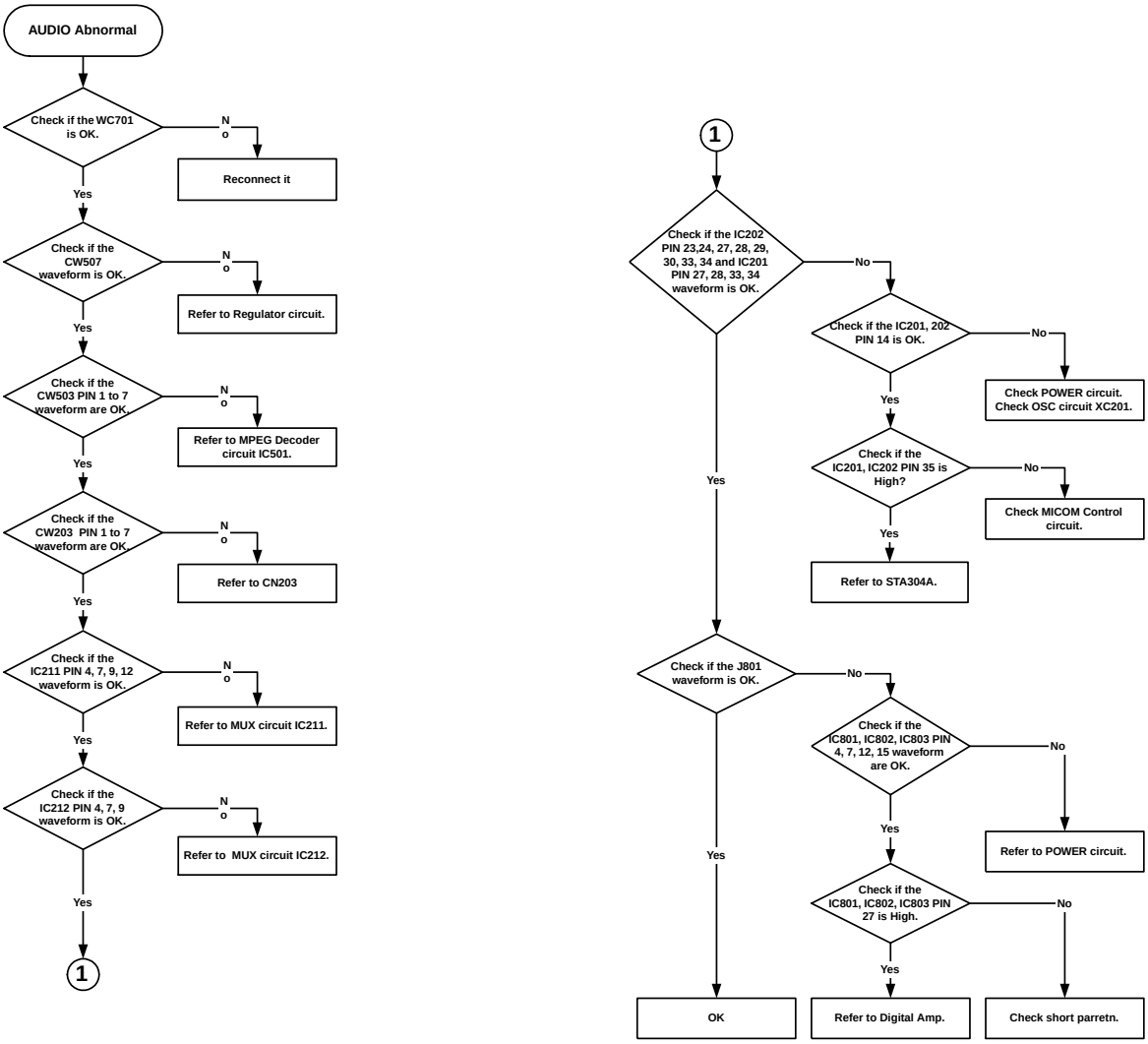
● Front Circuit



5. Trouble Shooting Guide

● Audio Part

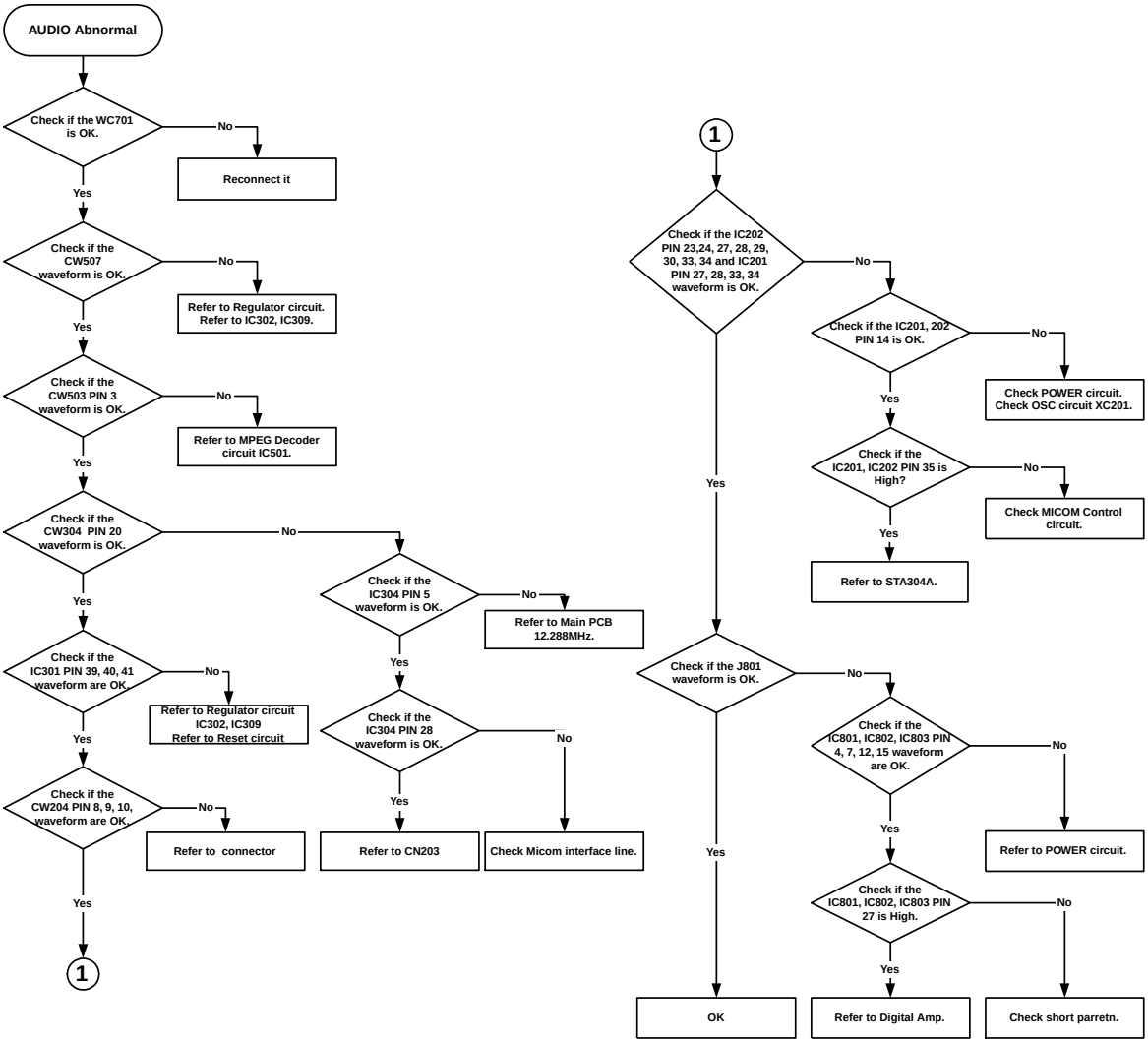
1. DVD Abnormal(w/o DSP)


AUDIO Abnormal
Check if the WC701 is OK.
No
Reconnect it
Yes
Check if the CW507 waveform is OK.
No
Refer to Regulator circuit.
Yes
Check if the CW503 PIN 1 to 7 waveform are OK.
No
Refer to MPEG Decoder circuit IC501.
Yes
Check if the CW203 PIN 1 to 7 waveform are OK.
No
Refer to CN203
Yes
Check if the IC211 PIN 4, 7, 9, 12 waveform is OK.
No
Refer to MUX circuit IC211.
Yes
Check if the IC212 PIN 4, 7, 9 waveform is OK.
No
Refer to MUX circuit IC212.
Yes
1
1
Check if the IC202 PIN 23,24, 27, 28, 29, 30, 33, 34 and IC201 PIN 27, 28, 33, 34 waveform is OK.
No
Check if the IC201, 202 PIN 14 is OK.
No
Check POWER circuit. Check OSC circuit XC201.
Yes
Check if the IC201, IC202 PIN 35 is High?
No
Check MICOM Control circuit.
Yes
Refer to STA304A.
Yes
Check if the J801 waveform is OK.
No
Check if the IC801, IC802, IC803 PIN 4, 7, 12, 15 waveform are OK.
No
Refer to POWER circuit.
Yes
Check if the IC801, IC802, IC803 PIN 27 is High.
No
Check short parretn.
Yes
Refer to Digital Amp.
Yes
OK

5. Trouble Shooting Guide

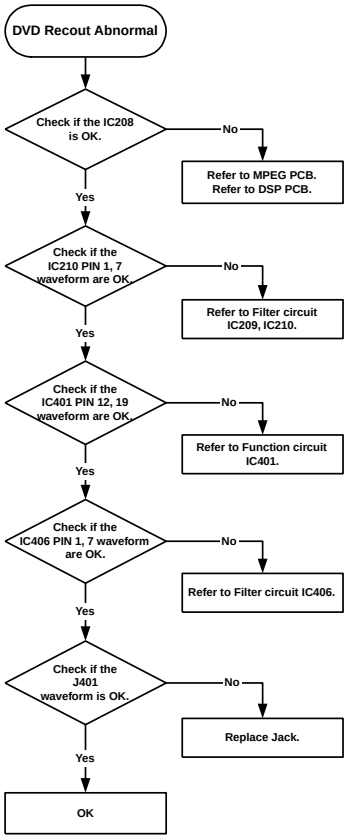
● Audio Part

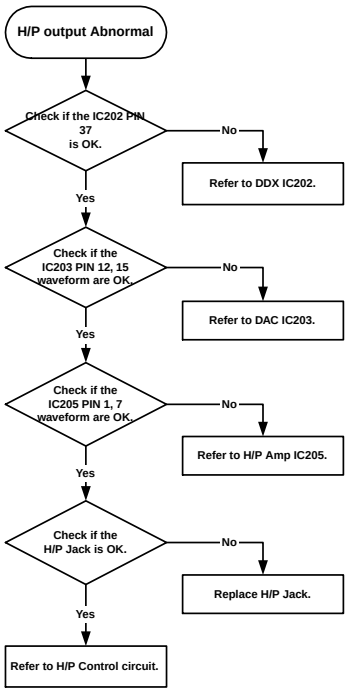
2. DVD Abnormal(with DSP)

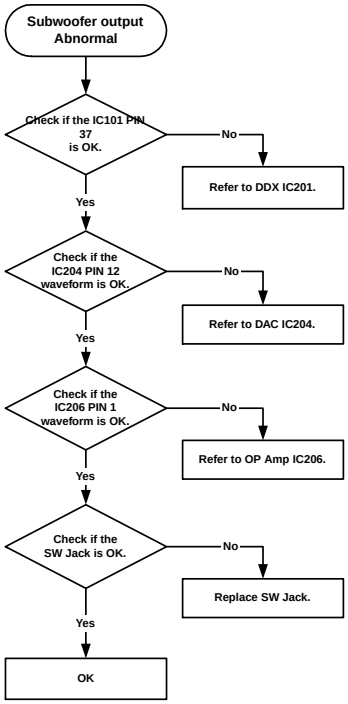

AUDIO Abnormal
Check if the WC701 is OK.
No
Reconnect it
Yes
Check if the CW507 waveform is OK.
No
Refer to Regulator circuit. Refer to IC302, IC309.
Yes
Check if the CW503 PIN 3 waveform is OK.
No
Refer to MPEG Decoder circuit IC501.
Yes
Check if the CW304 PIN 20 waveform is OK.
No
Check if the IC304 PIN 5 waveform is OK.
No
Refer to Main PCB 12.288MHz.
Yes
Check if the IC301 PIN 39, 40, 41 waveform are OK.
No
Refer to Regulator circuit IC302, IC309 Refer to Reset circuit
Yes
Check if the IC304 PIN 28 waveform is OK.
No
Yes
Check if the CW204 PIN 8, 9, 10, waveform are OK.
No
Refer to connector
Refer to CN203
Check Micom interface line.
Yes
1
1
Check if the IC202 PIN 23,24, 27, 28, 29, 30, 33, 34 and IC201 PIN 27, 28, 33, 34 waveform is OK.
No
Check if the IC201, 202 PIN 14 is OK.
No
Check POWER circuit. Check OSC circuit XC201.
Yes
Check if the IC201, IC202 PIN 35 is High?
No
Check MICOM Control circuit.
Yes
Refer to STA304A.
Yes
Check if the J801 waveform is OK.
No
Check if the IC801, IC802, IC803 PIN 4, 7, 12, 15 waveform are OK.
No
Refer to POWER circuit.
Yes
Check if the IC801, IC802, IC803 PIN 27 is High.
No
Yes
OK
Refer to Digital Amp.
Check short parretn.

5. Trouble Shooting Guide

● Audio Part

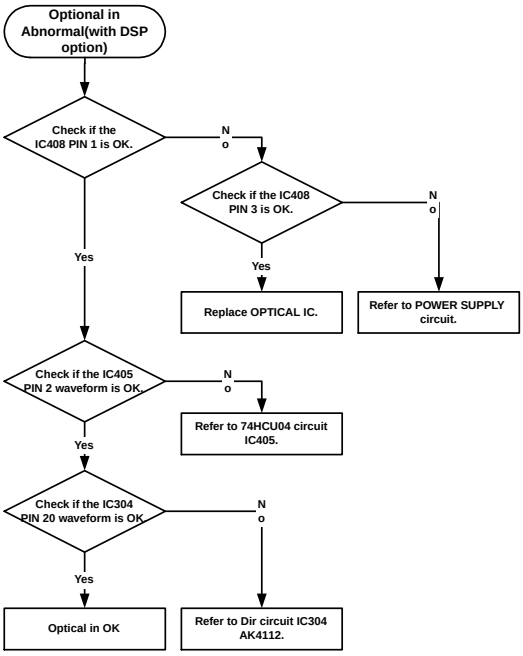


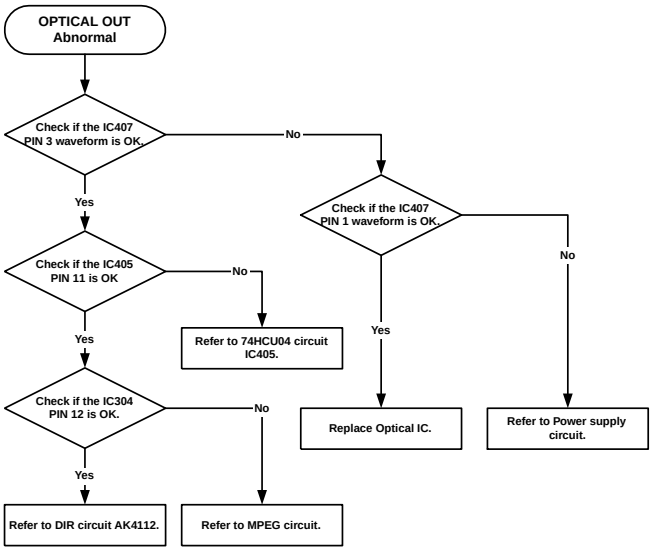


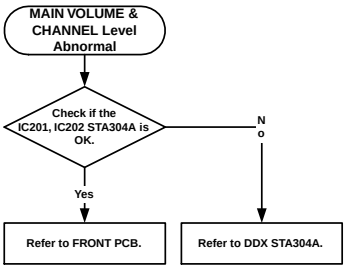


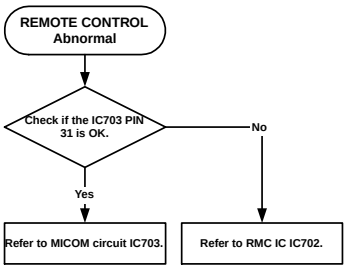
5. Trouble Shooting Guide

● Audio Part



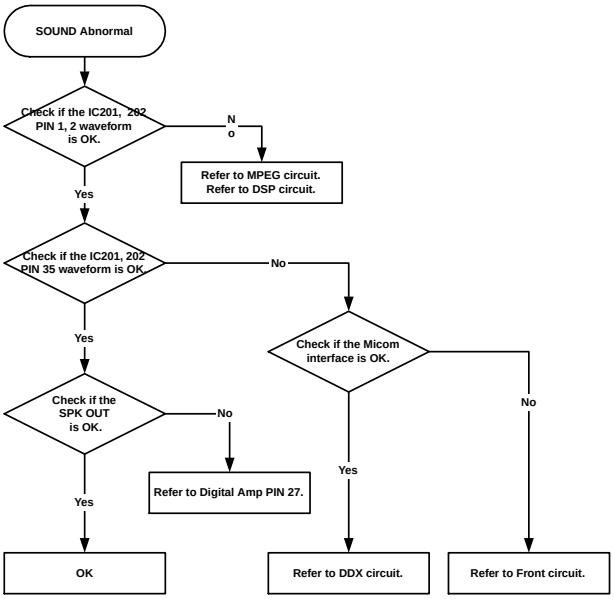


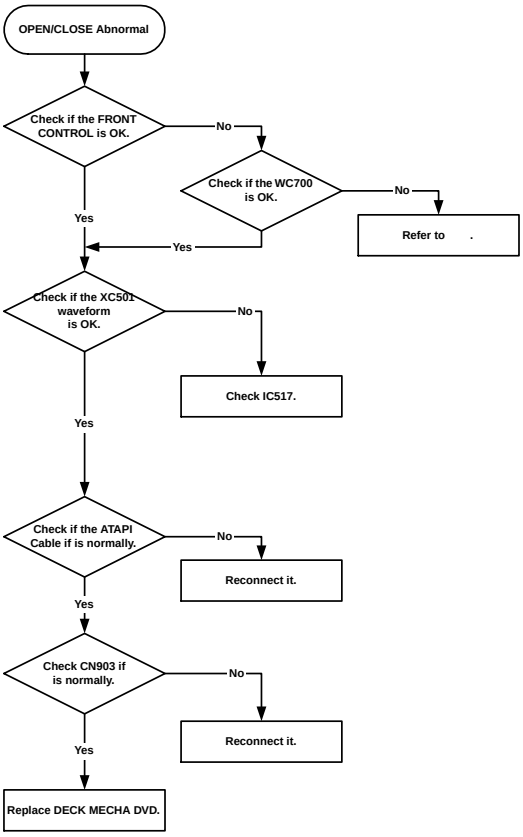


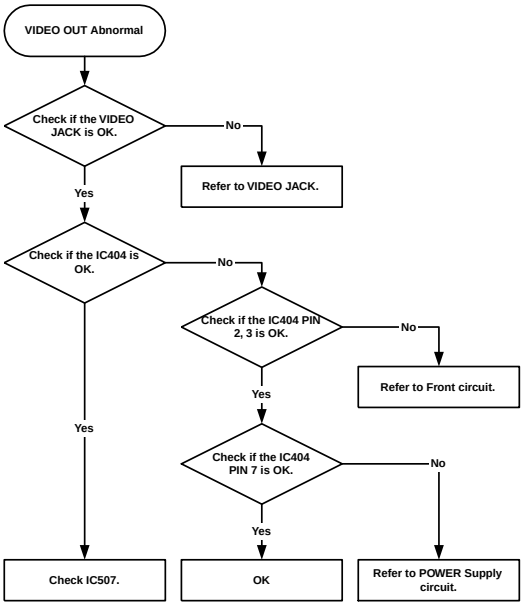


5. Trouble Shooting Guide

● Audio Part

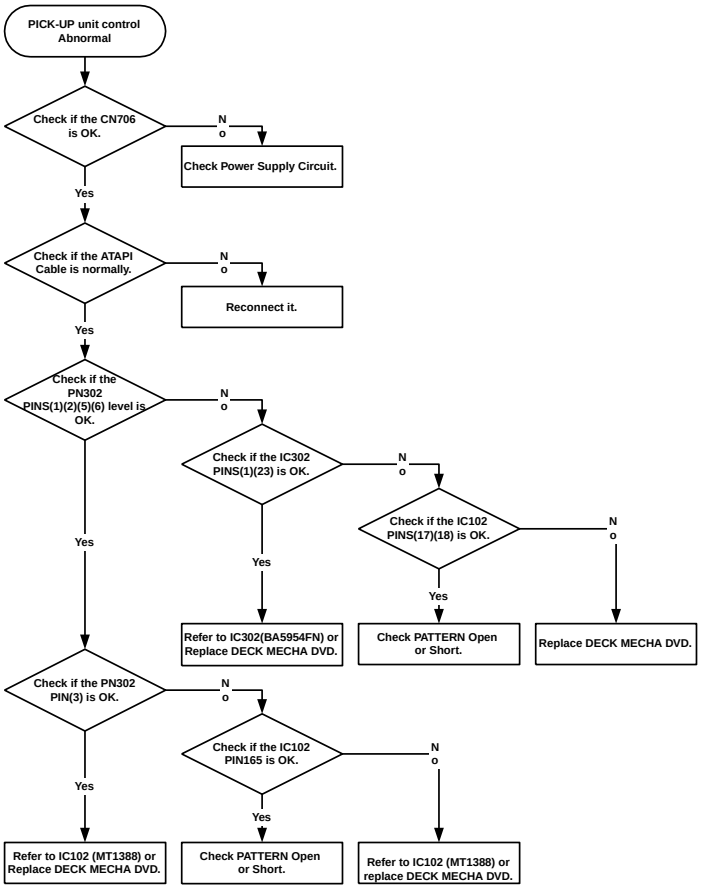


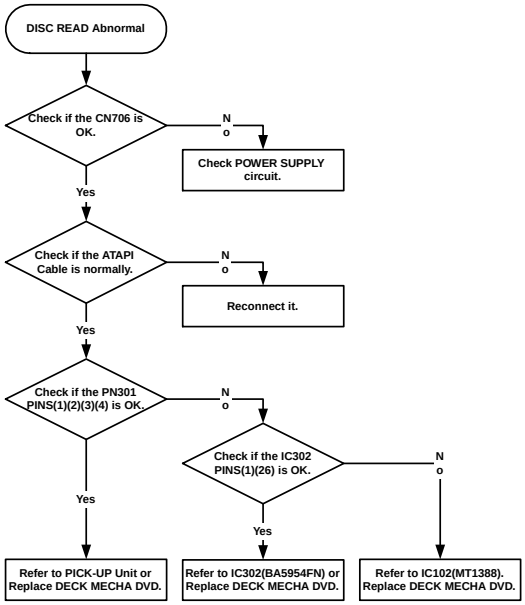


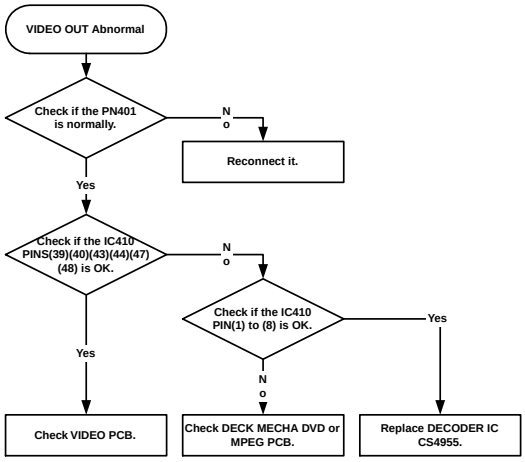


5. Trouble Shooting Guide

● Audio Part


PICK-UP unit control Abnormal
Check if the CN706 is OK.
No
Check Power Supply Circuit.
Yes
Check if the ATAPI Cable is normally.
No
Reconnect it.
Yes
Check if the PN302 PINS(1)(2)(5)(6) level is OK.
No
Check if the IC302 PINS(1)(23) is OK.
No
Check if the IC102 PINS(17)(18) is OK.
No
Yes
Refer to IC302(BA5954FN) or Replace DECK MECHA DVD.
Check PATTERN Open or Short.
Replace DECK MECHA DVD.
Yes
Check if the PN302 PIN(3) is OK.
No
Check if the IC102 PIN165 is OK.
No
Yes
Refer to IC102 (MT1388) or Replace DECK MECHA DVD.
Check PATTERN Open or Short.
Refer to IC102 (MT1388) or replace DECK MECHA DVD.





6. DVD Program Download Method

INSERT THE UPDATE DISC INTO THE DISC TRAY, THEN THE DVD RECEIVER READS THE DISC AND UPDATE THE FIRMWAFE ITSELF AS FOLLOWINGS.

@ INSERT THE UPDATE DISC. "Bank 30. Rom" : XD300/300P, 350/350P only,
"Es6028.Rom" : XD300S/300PS, 350S/350PS only

NO	STATUS	VFD	MONITOR	SET CONDITION
1	STARTING UPDATE	LOADING	LOADING	DOOR CLOSE
2	DETECT THE UPDATE DISC	STOP MP3	BANK30. ROM	DOOR CLOSE
3	READ THE DISC	STOP MP3	WRITING	DOOR CLOSE
4	COMPLETED THE READ	STOP MP3	DONE	DOOR CLOSE
5	COMPLETED THE UPDATE	STOP MP3		DOOR OPEN 1)
6	END	DISPLAY	LOADING	DOOR CLOSE : 1) 4 SEC

NOTE :

1) AFTER DOOR OPEN, EJECT THE UPDATE DISC.
2) AFTER COMPLETED, POWER OUT AND IN AGAIN.
3) Excute "SETUP/PREFERANCE/DEFAULT(System Reset).

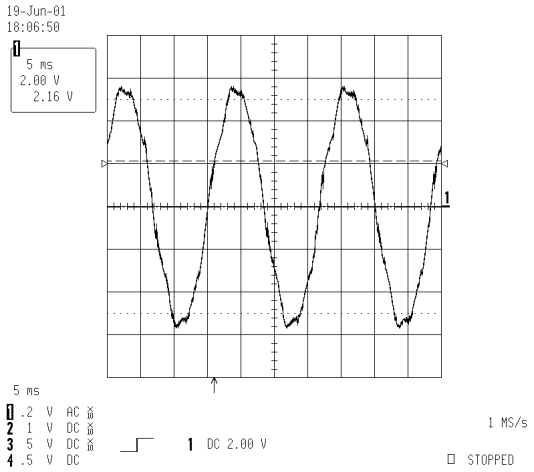
CAUTION :

WHILE DOOR OPEN, IF CD DOOR IS CLOSED BY TOUCH, OR POWER BUTTON IS PRESSED THEN FLASH MEMORY WILL BE ERASED.

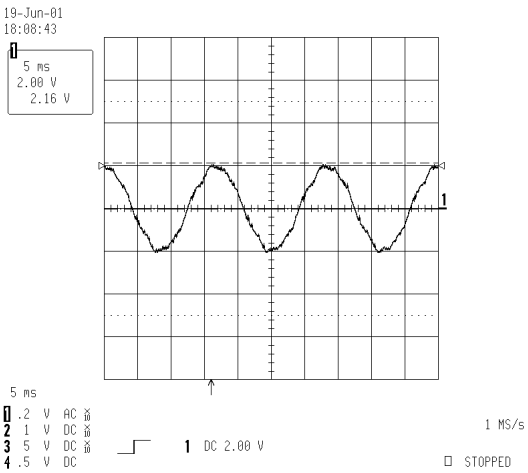
7. Waveforms of Major Check Method

※ TEST POINT : DVD TEST DISC "MDVD-W111 TRACK2 COLOR BAR"

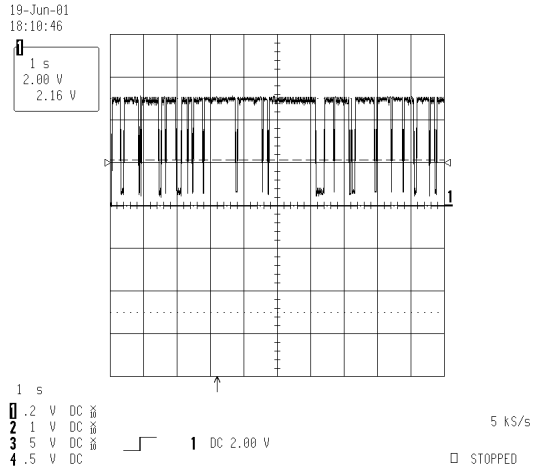
● **Audio Out Signal Waveform**



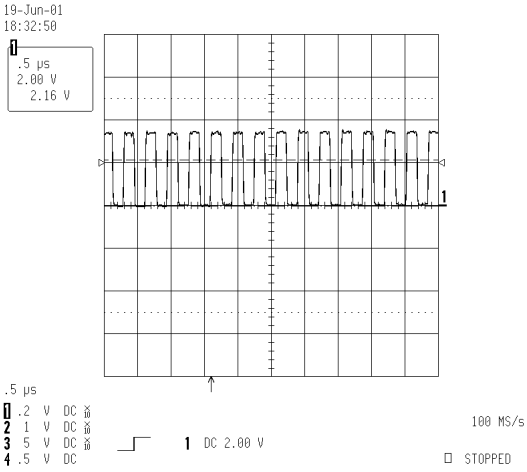
● **DAC Output Signal Waveform**



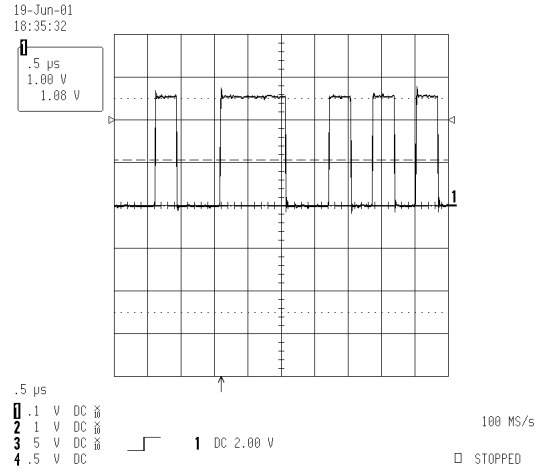
● **Optical Output Audio Data Signal waveform**



● **L/R Clock Data Waveform During Normal Play**



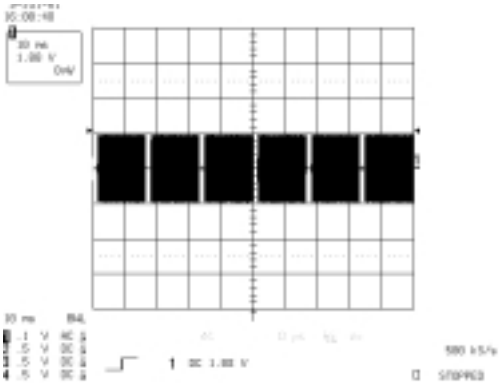
● **Serial Data Output Waveform During Normal Play**

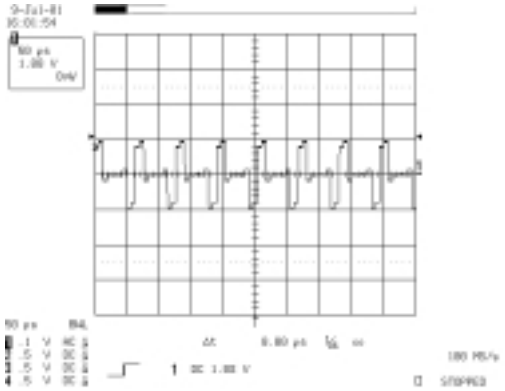


7. Waveforms of Major Check Method

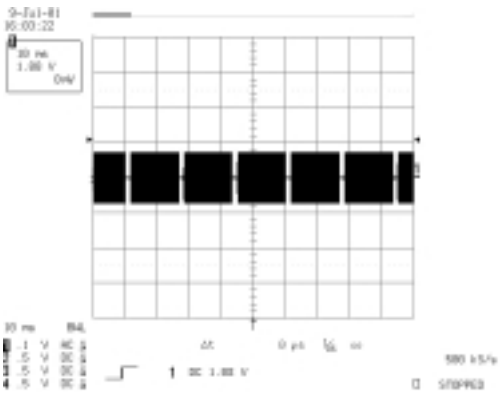
※ TEST POINT : DVD TEST DISC " MDVD-W111 TRACK2 COLOR BAR"

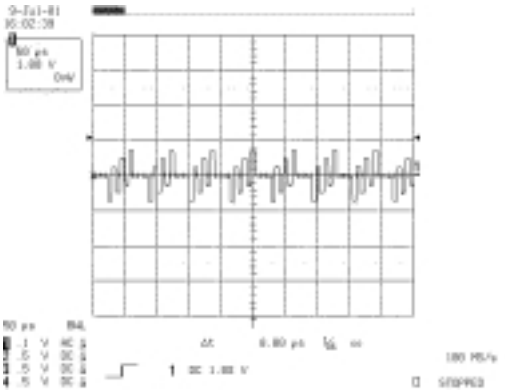
● **Cr Output Data Waveform in Component Output**



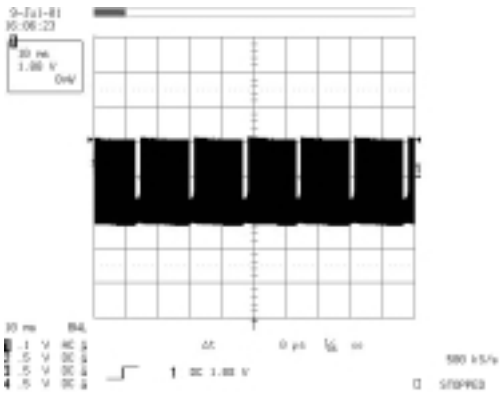


● **Cb Output Data Waveform in Component Output**



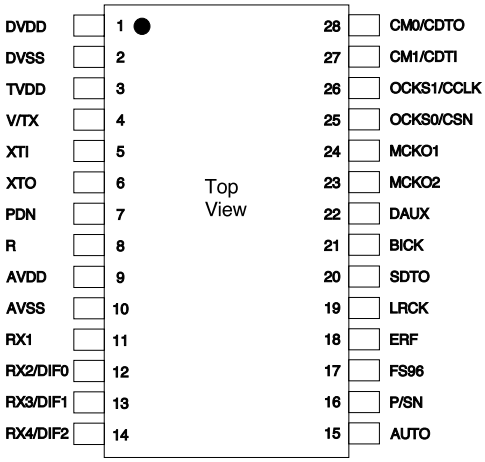


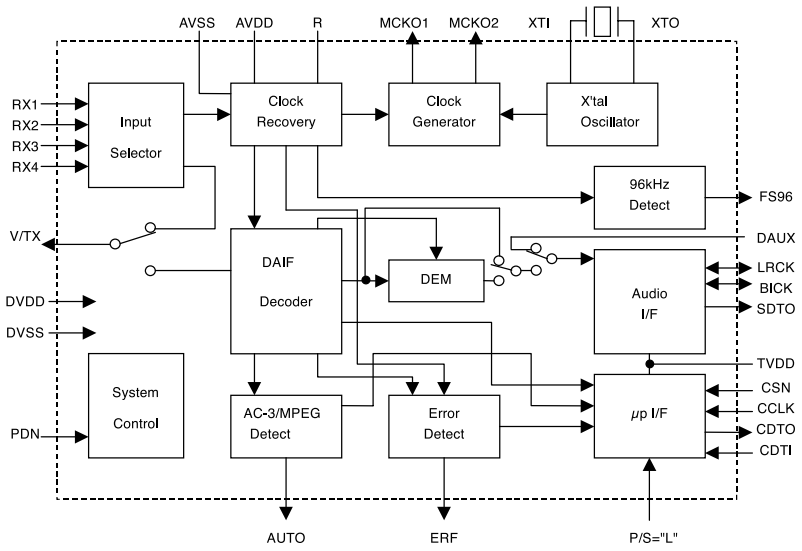
● **Y Output Data Waveform in Component Output**



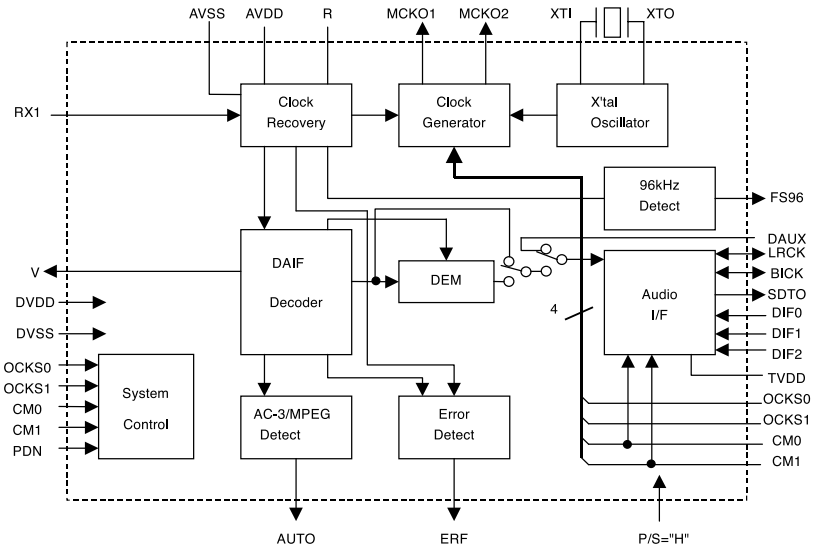
8. Internal Block Diagram of ICs

● AK-4112A [DHC-XD300P/300PS, 350P/350PS Only]





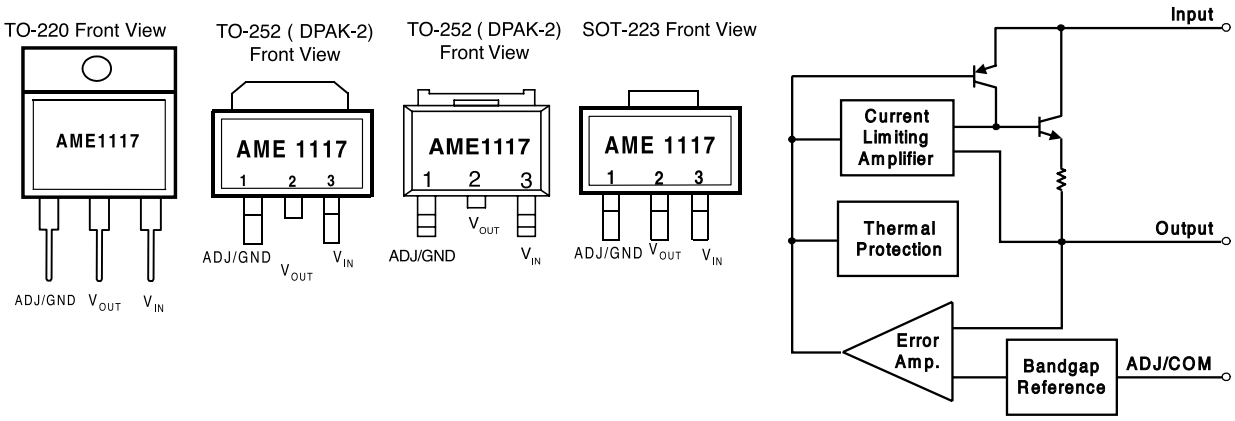
Serial Control Mode



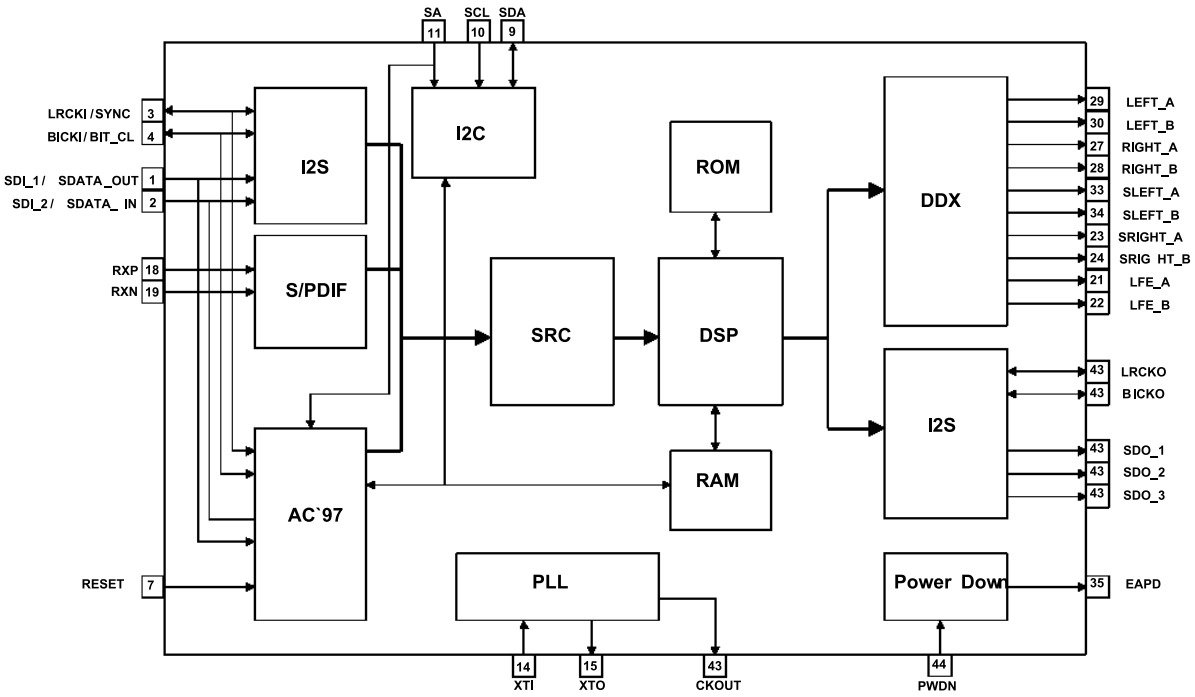
Parallel Control Mode

8. Internal Block Diagram of ICs

● AME1117

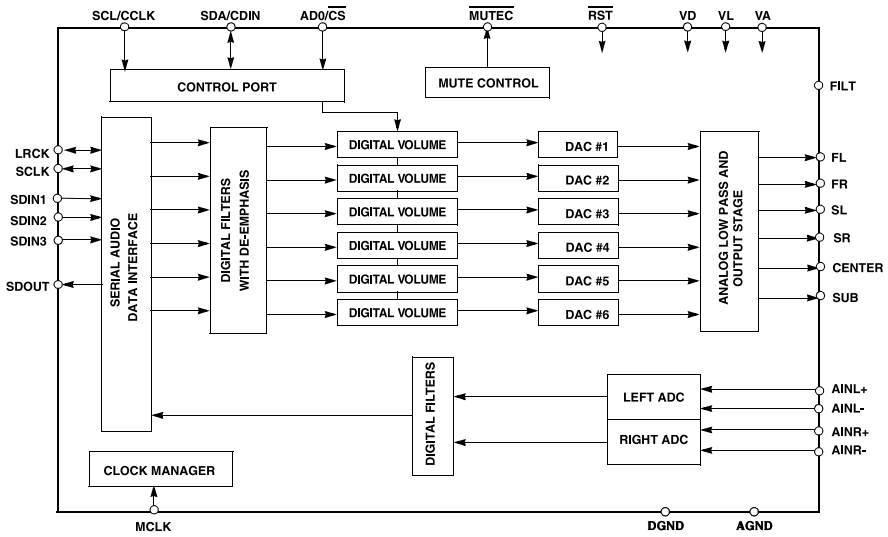


● STA304A



8. Internal Block Diagram of ICs

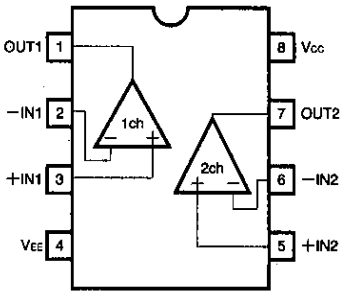
● CS4228A



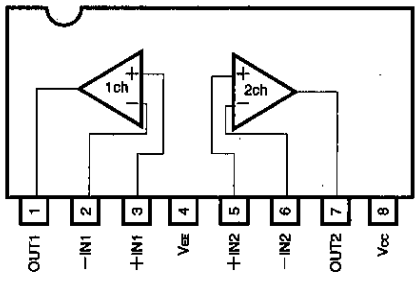
Serial Audio Data In 3	**SDIN3**	1	28	**SUB**	Analog Out #6,Subwoofer
Serial Audio Data In 2	**SDIN2**	2	27	**CENTER**	Analog Out #5, Center
Serial Audio Data In 1	**SDIN1**	3	26	**SR**	Analog Out #4, Surround Right
Serial Audio Data Out	**SDOUT**	4	25	**SL**	Analog Out #3, Surround Left
Serial Clock	**SCLK**	5	24	**FR**	Analog Out #2, Front Right
Left/Right Clock	**LRCK**	6	23	**FL**	Analog Out #1, Front Left
Digital Ground	**DGND**	7	22	**AGND**	Analog Ground
Digital Power	**VD**	8	21	**VA**	Analog Power
Digital Interface Power	**VL**	9	20	**AINL+**	Left Channel Analog Input+
Master Clock	**MCLK**	10	19	**AINL-**	Left Channel Analog Input-
SCL/CCLK	**SCL/CCLK**	11	18	**FILT**	Internal Voltage Filter
SDA/CDIN	**SDA/CDIN**	12	17	**AINR-**	Right Channel Analog Input-
AD0/$\overline{CS}$	**AD0/$\overline{CS}$**	13	16	**AINR+**	Right Channel Analog Input+
Reset	**RST**	14	15	**MUTEC**	Mute Control

● BA4560F

BA4560 / BA4560F

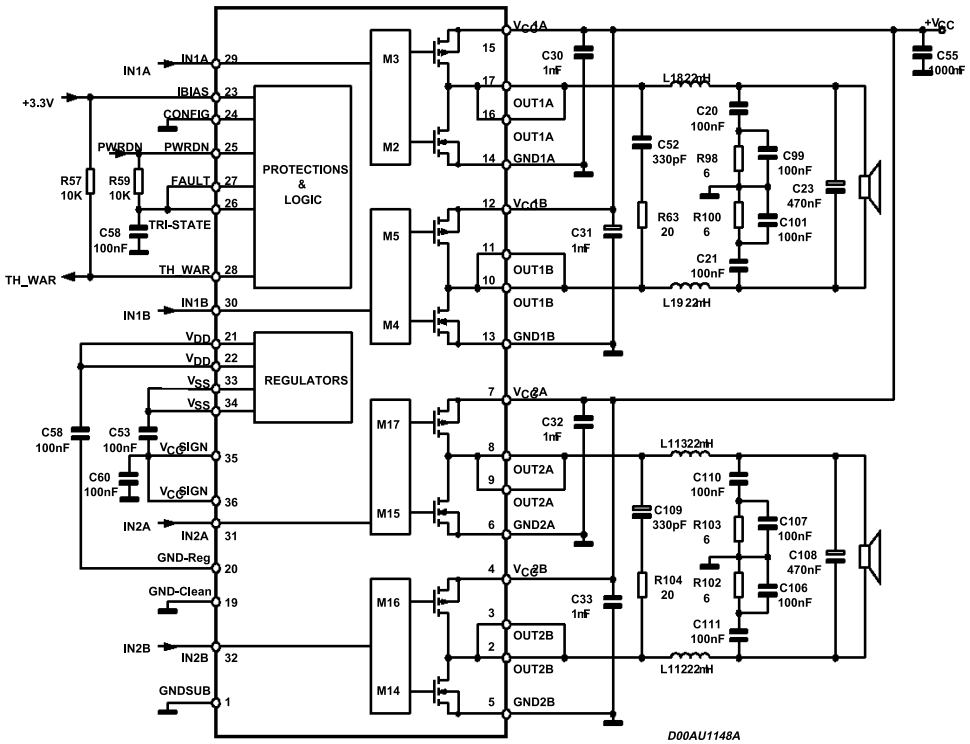


BA4560N



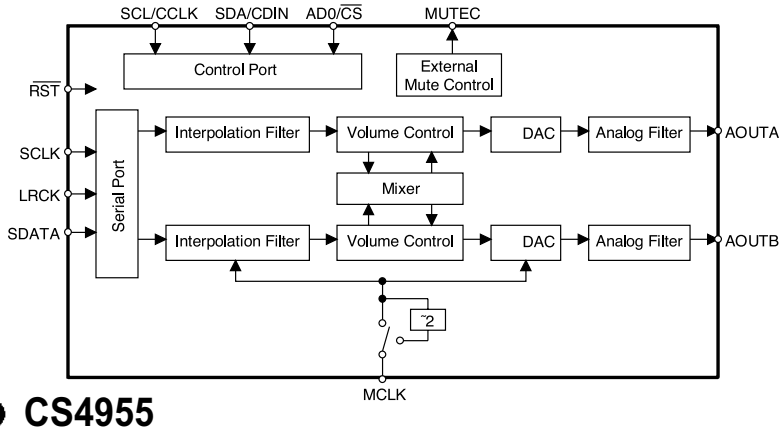
8. Internal Block Diagram of ICs

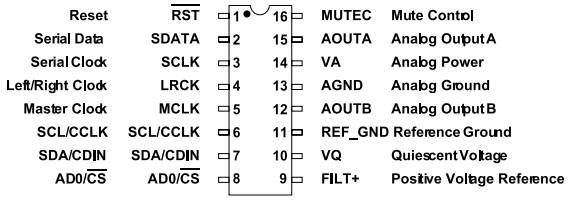
● STA500



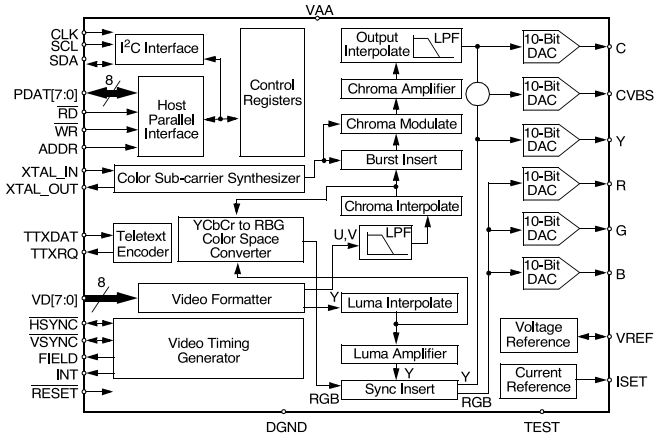
8. Internal Block Diagram of ICs

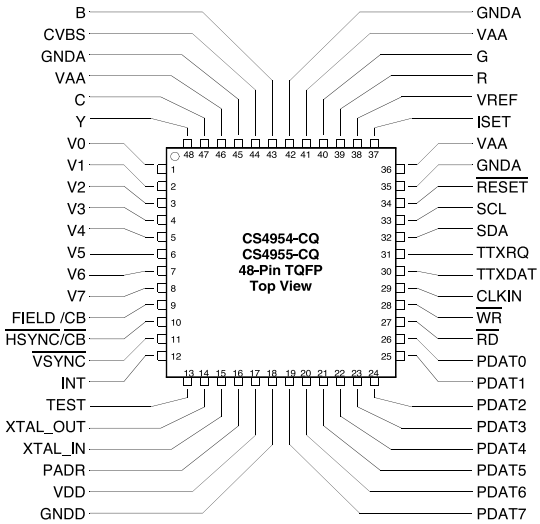
● CS4341



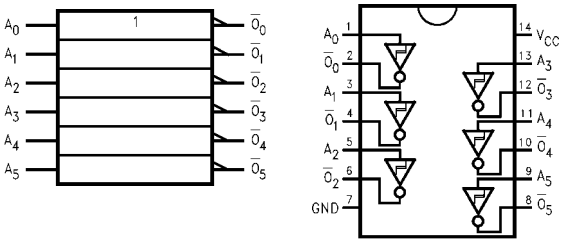

Reset RST 1 16 MUTEC Mute Control
Serial Data SDATA 2 15 AOUTA Analog Output A
Serial Clock SCLK 3 14 VA Analog Power
Left/Right Clock LRCK 4 13 AGND Analog Ground
Master Clock MCLK 5 12 AOUTB Analog Output B
SCL/CCLK SCL/CCLK 6 11 REF_GND Reference Ground
SDA/CDIN SDA/CDIN 7 10 VQ Quiescent Voltage
AD0/CS AD0/CS 8 9 FILT+ Positive Voltage Reference

● CS4955

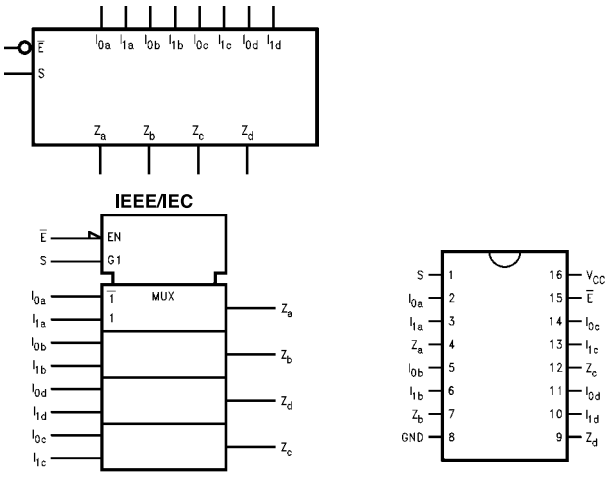




● 74VHC14

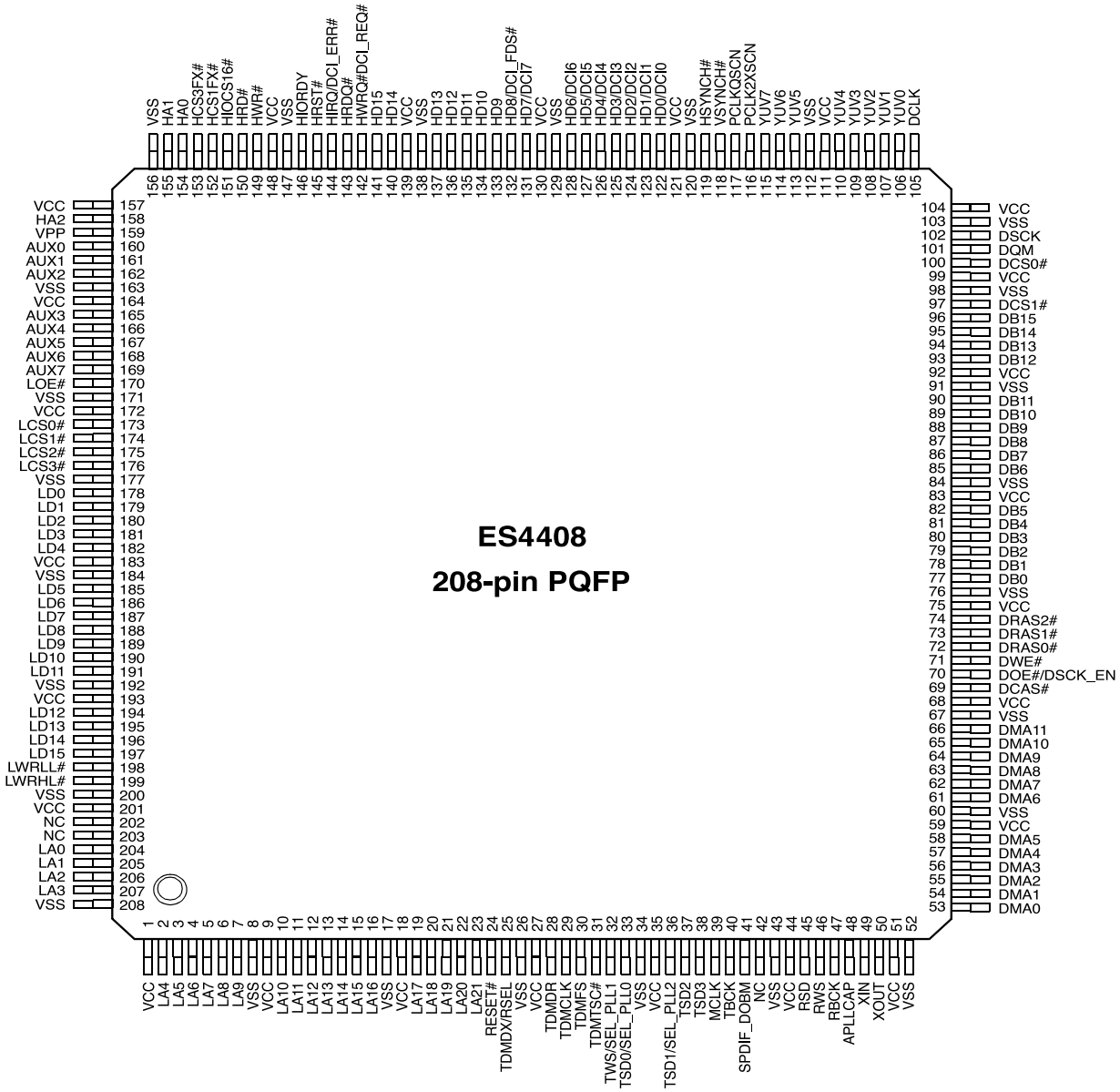


● 74HC157



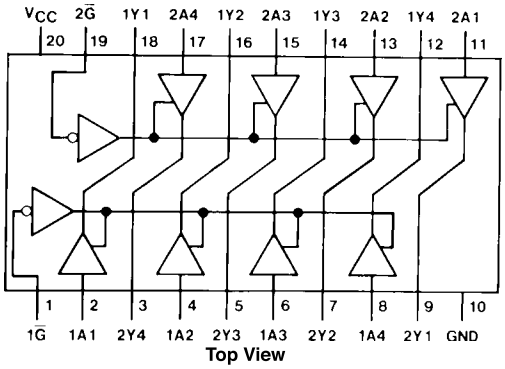
8. Internal Block Diagram of ICs

● ES4408 [DHC-XD300/300P, 350/350P Only]



● 74HC244

Connection Diagram



Top View

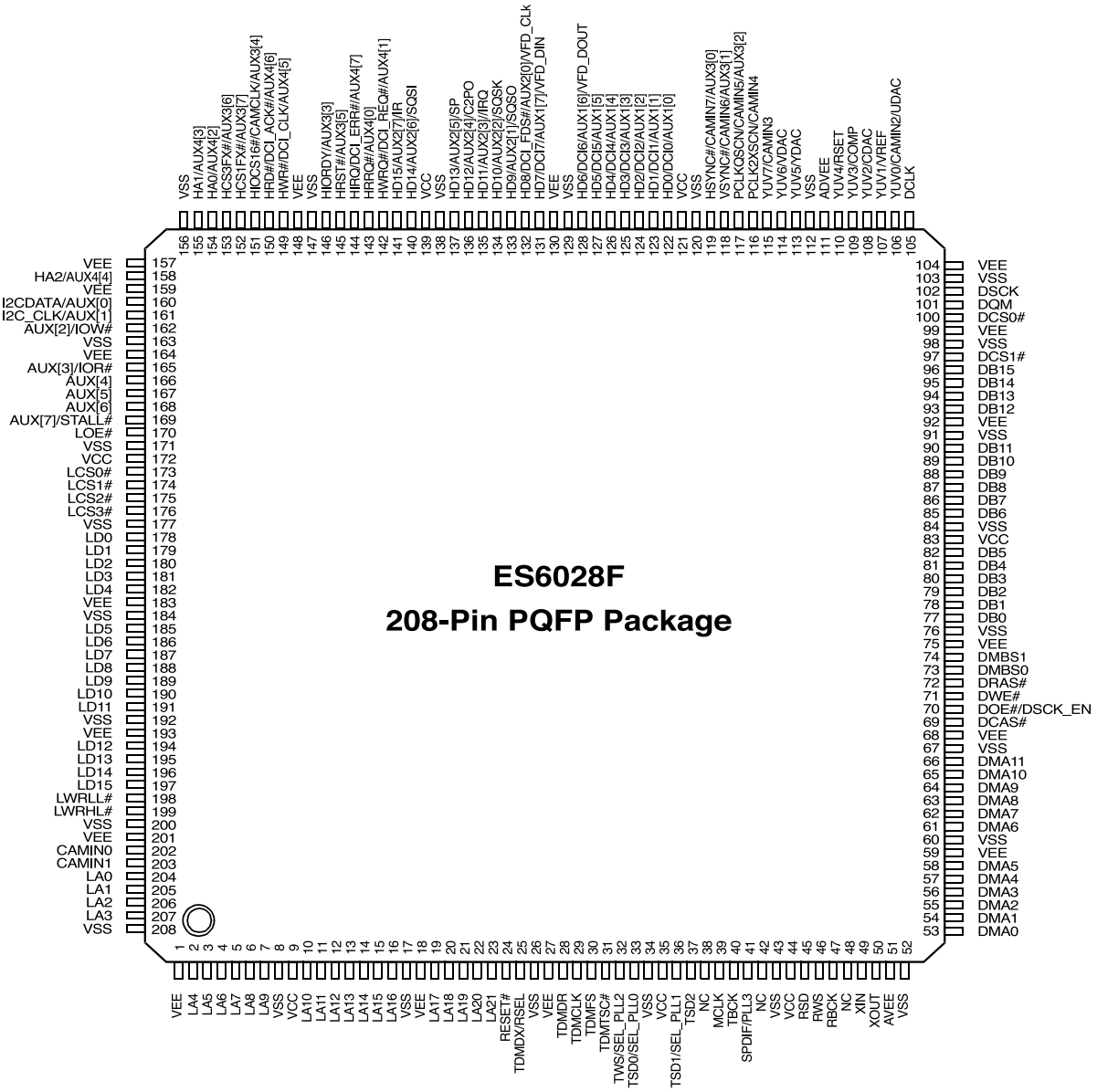
Truth Table

$1\overline{G}$	1A	1Y	$2\overline{G}$	2A	2Y
L	L	L	L	L	L
L	H	H	L	H	H
H	L	Z	H	L	Z
H	H	Z	H	H	Z

H HIGH Level
L LOW Level
Z High Impedance

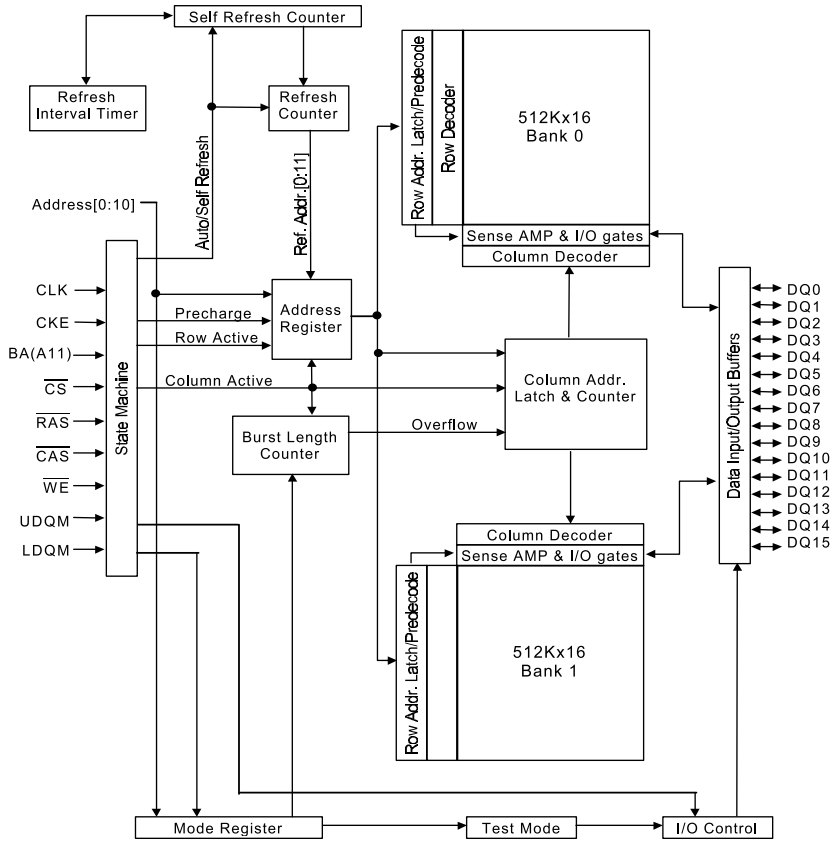
8. Internal Block Diagram of ICs

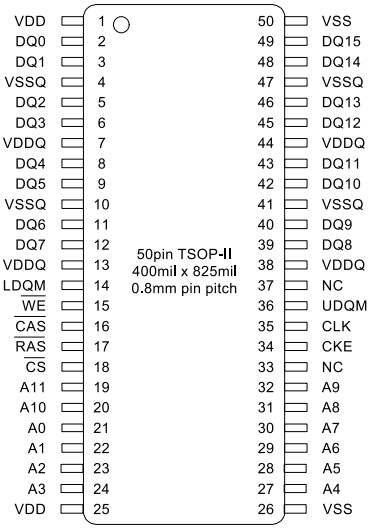
● ES6028 [DHC-XD300S/300PS, 350S/350PS Only]



8. Internal Block Diagram of ICs

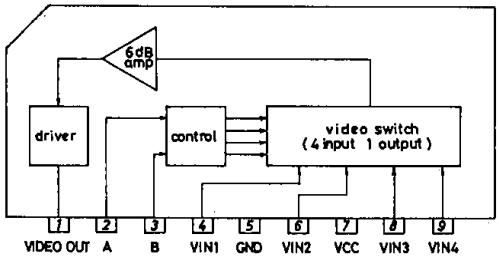
● HY57V161610DTC-8



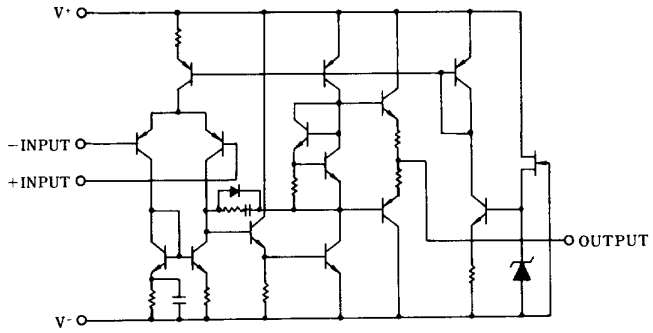


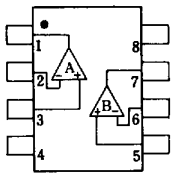
8. Internal Block Diagram of ICs

● LA7952



● NJM4558M





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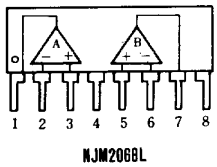
NJM2068M
NJM2068V



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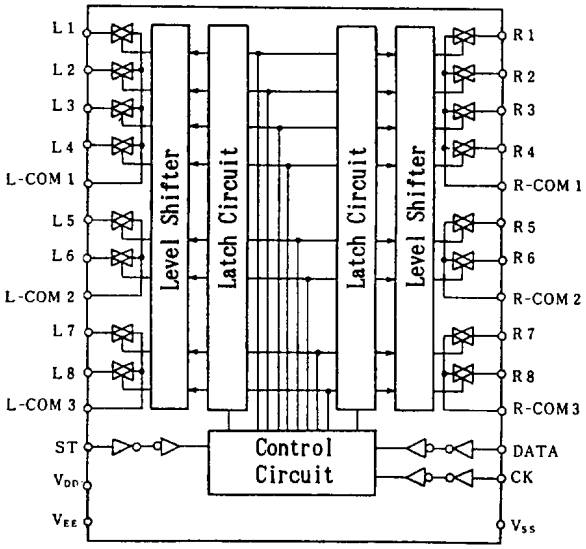

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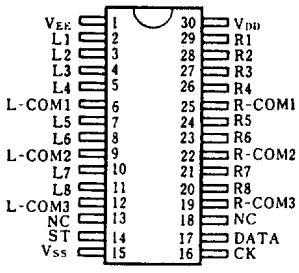


NJU7313AM

14. Exploded View and Mechanical Parts List

● MECHANICAL PARTS LIST

NO.	NAME OF PART	PART CODE	DISCRIPTION	Q'TY	REMARKS
1	PANEL FRONT	9CD0310000	MIPS	1	
2	DOOR HOLDER	9CD1813400	MIPS	1	
3	KNOB POWER	9CD1346900	MIPS	1	
4	KNOB VOLUME	9CD1347000	MIPS ABS	1	
5	KNOB STAND BY	9CD1347100	MIPS ABS	1	
6	KNOB PRESET	9CD1347200	MIPS ABS	1	
7	LENS LED	9CD1619100	ACRYL	1	
8	GUIDE FLT	9CD2507300	MIPS	1	
9	SUPPORT PCB 08	9CD2507400	MIPS	12	
10	SUPPORT PCB 12	9CD2507401	MIPS	3	
11	CHASSIS BOTTOM	9CD0608900	SECC	1	
12	CHASSIS TOP	9CD0609000	SECC	1	
13	CHASSIS BACK	9CD0609103	SECC	1	
14	DECO FRONT	9CD1004000	ACRYL	1	
15	DECO DVD DOOR	9CD1004100	ACRYL	1	
16	MECHANISM DVD	9CD6010300		1	
17	HEAT SINK	9CD4406900	AL	1	
18	HEAT SINK TR	9CD4407100	AL	1	
19	HEAT SINK IC	9CD4407000	BsP	1	
20	HEAT SINK DIODE	9CD44066D0	AL	2	
21	PLATE SPEAKER	9CD0912600	PC	1	
22	CUSHION FOOT	9CD4209000	RUBBER	4	
23	RUBBER SILICON	9CD4209100	RUBBER	6	
24	SPRING GROUND	9CD3009000	BsP	1	
25	CUSHION FOOT	9CD4207700	RUBBER	6	
26	BADGE DAEWOO	-	AL	1	
S1	SCREW TAPPING	7173301012		13 11	
S2	SCREW TAPPING	7173301412		14	
S3	SCREW TAPPING	7173300811		15	
S4	SCREW TAPPING	7173261011		8	
S5	SCREW TAPPING	7173400611		4	
S6	SCREW TAPPING	7173301812		3	
S7	SCREW TAPPING	7173301013		2	
S8	SCREW TAPPING	7273300812		4	
P1	PCB FRONT	9CD6586600		1	
P2	PCB STAND BY	9CD6586900		1	
P3	PCB MAIN	9CD6586400		1	
P4	PCB IN OUT	9CD6586800		1	
P5	PCB REGULATOR	9CD6586700		1	
P6	PCB MPEG	9CD6586500		1	
E1	POWER TRANS			1	
E2	TUNER PACK			1	
E3	VFD			1	
E4	AC CORD			1	

15. Electrical Parts List

MAIN PCB Ass'y

Location	Part Code	Part Name	Description	Remark
10000	9CDC060800	PCB MAIN AS	DV-215	
B800	9CD6586400-06	PCB MAIN	234X208 CEM-3	
CE201~CE204	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE205~CE206	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE215~CE216	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE217	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE218	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP	
CE219~CE220	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE221~CE222	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE223	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE224~CE225	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
CE226~CE227	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE228~CE229	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE230	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE231	CEXF1A102V	C ELECTRO	10V RSS 1000MF (8X12.5) TP	
CE232~CE233	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE234	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE235	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
CE236	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE237	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE238	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE239	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE240~CE242	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE243~CE244	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE245~CE246	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE801~CE803	CEXF1V102V	C ELECTRO	35V RSS 1000MF (13X25)	
CE804~CE805	CEXF1V472V	C ELECTRO	35V RSS 4700MF (22X40)	
CM801~CM812	CMXK1J104J	C MYLAR	MC 63V 0.1MF J	
CM813~CM818	CMXK1J474J	C MYLAR	MC 63V 0.47MF J	
CM831~CM842	CMXK1J104J	C MYLAR	MC 63V 0.1MF J	
CM991~CM993	CMXM2A104J	C MYLAR	100V 0.1MF J	
CW101	9CD6264500	CONN WAFER	52045-1345 TOP ENTRY	
CW201	9CD6269100	CONN WAFER	52806-2710	
CW202	2001-WS-03	CONN WAFER	3P 2.0MM	
CW203	9CD6267300	CONN WAFER	52806-0810	
CW204	9CD6268200	WAFER FFC	52806-1710	300P/300PS/350P/350PS Only
CW205	9CD6269000	CONN WAFER	52806-2510	
CW991	9728808400	CONN WAFER	VH-2A WAFER	
CW993	2001-WS-06	CONN WAFER	6P 2.0MM	
DB991	DKBPC806--	DIODE	KBPC806	
HC201~HC202	HCQK561JBA	C CHIP CERA	50V CH 560PF J 1608	
HC203~HC204	HCQK121JBA	C CHIP CERA	50V CH 120PF J 1608	
HC205~HC206	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC207~HC208	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC209~HC210	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC221~HC222	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC223	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC224	HCBK105KBA	C CHIP CERA	50V X7R 1MF K 1608	
HC225~HC226	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HC227~HC231	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC232~HC233	HCQK160JBA	C CHIP CERA	50V CH 16PF J 1608	
HC234	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC235~HC239	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC240~HC241	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC242~HC243	HCQK681JBA	C CHIP CERA	50V CH 680PF J 1608	
HC244~	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
HC246~HC253	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC254	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC255	HCQK561JBA	C CHIP CERA	50V CH 560PF J 1608	
HC256	HCQK121JBA	C CHIP CERA	50V CH 120PF J 1608	
HC257	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC258~HC260	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC261	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC262~HC265	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC266~HC267	HCBK331KBA	C CHIP CERA	50V Y5V 330PF J 1608	
HC268~HC271	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC801~HC809	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC811~HC814	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HC816	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC818	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC820~HC825	HCBK331KBA	C CHIP CERA	50V Y5V 330PF J 1608	
HC826~HC831	HCFK105KEA	C CHIP CERA	50V Y5V 1MF K 3220	
HC832~HC843	HCBK682KCA	C CHIP CERA	50V X7R 6800PF K 2012	
HC844~HC846	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HD201~HD202	DZDS160---	DIODE SW CHIP	KDS160	
HL201~HL204	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HL211~HL221	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HL223~HL225	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	XD300/XD300S/XD350/XD350S Only
HL249~HL250	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HL205~HL206	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HQ201	TZRC231S--	TR CHIP	KRC231S	
HQ203~HQ204	TZRC231S--	TR CHIP	KRC231S	
HQ205~HQ208	TZRC107S--	TR CHIP	KRC107S	
HQ991	TZRC107S--	TR CHIP	KRC107S	
HR200	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR201~HR202	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR203~HR204	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	
HR205~HR206	HRFT183JBA	R CHIP	1/10 18K OHM J 1608	
HR207~HR208	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR209~HR212	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	
HR213~HR214	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	
HR215~HR216	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR217	HRFT183JBA	R CHIP	1/10 18K OHM J 1608	
HR218	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR219	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR220	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	
HR221	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	
HR222	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR223	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR224~HR225	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR226	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR227~HR228	HRF4220JEA	R CHIP	1/4W 22 OHM J 3216	
HR229~HR230	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR231~HR233	HRFT000-BA	CHIP RES	1/10 0 OHM J 1608	300P/300PS/350P/350PS Only
HR235	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR237~HR238	HRF4220JEA	R CHIP	1/4W 22 OHM J 3216	
HR239~HR240	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
HR241~HR242	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR243~HR244	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR245	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR246~HR247	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR248	HRFT470JBA	CHIP RES	1/10 47 OHM J 1608	300P/300PS/350P/350PS Only
HR249	HRFT220JBA	CHIP RES	1/10 22 OHM J 1608	300P/300PS/350P/350PS Only
HR250	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR251~HR252	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	XD300/XD300S/XD350/XD350S Only
HR253	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR254	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	
HR255	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR256	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR257~HR259	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR260	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR261~HR264	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR265	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR267	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR268~HR269	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR270	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR271	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR272~HR274	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR275~HR277	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	XD300/300S/350/350S Only
HR278~HR280	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR281~HR282	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
HR283~HR284	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR285~HR286	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR287~HR288	HRFT821JBA	R CHIP	1/10 820 OHM J 1608	
HR289~HR290	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR291~HR292	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR293~HR295	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR296	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HR297	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
HR298	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR299	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	
HR300	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	
HR301	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR302~HR305	HRFT000-BA	CHIP RES	1/10 0 OHM J 1608	300P/300PS/350P/350PS Only
HR306	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR307	HRFT103JBA	CHIP RES	1/10 10K OHM J 1608	300P/300PS/350P/350PS Only
HR308~HR309	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR813~HR815	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR816	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR817	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608	
HR819	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR822~HR833	HRF4569JEA	R CHIP	1/4W 5.6 OHM J 3216	
HR834~HR839	HRF4220JEA	R CHIP	1/4W 22 OHM J 3216	
HR843~HR845	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HZ991	DRLZ30D---	DIODE ZENER CHIP	RLZ30D	
HZ992	DRLZ5R1B--	DIODE ZENER CHIP	RLZ5.1B	
IC201~IC202	1STA304A--	IC DDX	STA304A	
IC203~IC204	1CS4341---	IC	CS4341 (DAC)	
IC205	1BA4560F--	IC AMP(CHIP TYPE)	BA4560F	
IC206	1NJM4558M-	IC CHIP	NJM4558M	
IC207	1LD1117S33	IC REGULATOR	LD117AS33TR 3.3V (TO-223)	
IC208	1CS4228A--	IC	CS4228A (CODEC)	
IC209~IC210	1NJM4558M-	IC CHIP	NJM4558M	
IC211~IC212	1MM74HC157M	IC	MM74HC157M	300/300S/350/350S Only
IC213	174VHC14MT	IC	74VHC14MTC TSSOP	
IC801~IC803	1STA500---	IC PWM AMP	STA500	
J801	9736325000	JACK SPK	PA1220601P	
L801~L812	5P8080P220	LPF	8080P-12-220K	
WC100	9728816500	CONN FFC	FFC 13P P=1.25X100MM R	
XC201	5XE6R1440J	X-TAL	6.144MHZ	
10	9CD44066D0	HEAT SINK DIODE	AL.EXTRUSION	
20	9CD4407000	HEAT SINK IC	BSP	
30	9CD4209100	RUBBER SILICON	10X15X0.3T	
H/SINK DIODE	7173301411	SCREW TAPPTITE	TT2 BIN 3X14 MFZN	

FRONT PCB Ass'y

Location	Part Code	Part Name	Description	Remark
11000	9CDC060900	PCB FRONT AS	DV-215	300 Series Only
11000	9CDC060901	PCB FRONT AS	DV-235	350 Series Only
B700	9CD6586600	PCB FRONT	289.5X122.5XT1.6	300 Series Only
B700	9CD6587200	PCB FRONT	289.5X122.5XT1.6	350 Series Only
CE700	CEXP1C470V	C ELECTRO	16V REM 47MF	
CE701	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12)TP	350 Series Only
CE702	CEXP1H109V	C ELECTRO	50V REM 1MF 4*5	
CE703	CEXP1C470V	C ELECTRO	16V REM 47MF	
CE704	CEXP1A221V	C ELECTRO	10V REM 220MF	
CN702	9728815800	CONN AS	#26 UL2547 SHIELD 3P BOARD-IN 250MM	
CN703	9728814300	CONN AS	#26 P2.0mm 8P-3P+5P 200MM	
CW701~CW702	9CD6269500	CONN WAFER	52807-0610	
CW704	9CD6269500	CONN WAFER	52807-0610	
CW705	9CD6271200	CONN WAFER	52807-2510	
CW706	9CD6269800	CONN WAFER	52807-0910	300P/300PS/350P/350PS Only
DZ700~DZ701	DZTZ4R3B--	DIODE ZENER	MTZ4.3B	
FL700	DHNA12SM21	FL DISPLAY	HNA-12SM21	
HB700~HB701	9CD8603400	RING CORE	74279409 **8**.0X9.5X3.5	
HB702~HB703	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HB704	HLC104J01A	CHIP BEAD	BEAD 120 OHM 100MHZ 2012	300P/300PS/350P/350PS Only
HB705	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HB706	9CD8603400	RING CORE	74279409 **8**.0X9.5X3.5	
HC700~HC701	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
HC702~HC704	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC705~HC706	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	300 Series Only
HC707	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC708~HC709	HCQK300JBA	C CHIP CERA	50V CH 30PF J 1608	
HC710~HC713	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HD700~HD703	DZDS160---	DIODE SW CHIP	KDS160	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HQ700~HQ702	TZRC102S--	TR CHIP	KRC102S	
HR701~HR702	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR703	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR704~HR705	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR706	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR707	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR708	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR709	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR710~HR712	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR713	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR714	HRF8331JCA	R CHIP	1/8 330 OHM J 2012	
HR715~HR717	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR718~HR719	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	300 Series Only
HR720	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR721~HR722	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608	
HR723~HR727	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR728	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR729	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR730	HRFT181JBA	R CHIP	1/10 180 OHM J 1608	
HR731	HRFT271JBA	R CHIP	1/10 270 OHM J 1608	
HR732	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR733	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR734	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	Tuner Option
HR735~HR736	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR737	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR738	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	350 Series Only
HR739	HRFT181JBA	R CHIP	1/10 180 OHM J 1608	350 Series Only
HR740~HR742	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR743~HR745	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR746~HR748	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR750	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	350 Series Only
IC701	1M24C04MN-	IC	M24C04MN S0P	
IC702	1354HF----	IC RMC	354HF	
IC703	1M38B7A152	IC	M38B79MFH-A152FP	300P/300PS/350P/350PS Only
J700	9736325300	JACK	HTJ-035-18A(H/P)	
LD700	DLTL16KEE-	LED	LTL-16KEE(RED)PI3.1	350 Series Only
Q702	TZTA1272Y-	TR	A1272Y AUTO	
SW700~SW708	5S50101001	SW TACT	KPT-1105A 1C-1P	
SW710	5S40101373	SW PUSH	SPEA122SC011	
WC700	9728815900	CONN FFC	FFC 6P P=1.0X100MM K	
WC701	9728816000	CONN FFC	FFC 6P P=1.0X150MM K	
WC702	9728816100	CONN FFC	FFC 25P P=1.0X400MM K	
VR700	5SH162401-	SW ENCORDER	EC16B24204 24P W/DETENT	300 Series Only
XC700	5PCSA4R190	RESO CERA	CSA 4.19M	
10	9CD2507300	GUIDE FLT	MIPS	
PCB FRONT	7173261011	SCREW TAPPTITE	TT2 BIN 2.6X10 MFZN	

MPEG PCB Ass'y : DHC-XD300 / 300P / 350 / 350P only

Location	Part Code	Part Name	Description	Remark
13000	9CDC062800	PCB MPEG AS	DV-226	
B501	9CD6586501-01	PCB MPEG	130X91	
CE506	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE523	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE611~CE616	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE618	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE619	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE622	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE645	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CN501	9728815700	CABLE ATAPI	40P 360MM	
CW501	9736324700	JACK ATAPI	40P ATAPI	
CW503	9CD6267300	CONN WAFER	52806-0810	
CW504	9CD6267400	CONN WAFER	52806-0610	
CW507	2001-WS-04	CONN WAFER	4P 2.0MM	
CW508	9CD6267600	CONN WAFER	52806-1110	
HC501~HC526	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC527	HCQK151JBA	C CHIP CERA	50V CH 150PF J 1608	
HC528	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC534~HC538	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC539	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HC541~HC546	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC547	HCBK224KBA	C CHIP CERA	50V X7R 0.22MF K 1608	
HC550	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC574	HCQK150JBA	C CHIP CERA	50V CH 15PF J 1608	
HC578~HC579	HCQK390JBA	C CHIP CERA	50V CH 39PF J 1608	
HC590~HC592	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC606~HC608	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC614~HC617	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC619	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC624	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
HC637~HC653	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
HC673	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
HC675~HC679	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
HC680~HC685	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
HC686	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
HQ601~HQ603	TZTA1504S-	TR CHIP	KTA1504Y	
HQ606~HQ608	TZTA1504S-	TR CHIP	KTA1504Y	
HR501~HR505	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR511~HR512	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR513~HR519	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR520~HR532	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR533~HR536	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR541	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR542	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR544	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR545	HRFT681JBA	R CHIP	1/10 680 OHM J 1608	
HR546~HR547	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	
HR556	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR557~HR575	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR576	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR577~HR578	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR580~HR581	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR582	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR583	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR586	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR587	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR588	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR589	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR590~HR591	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR592	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR597	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	
HR598	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR604~HR606	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR607	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR608	HRFT121JBA	R CHIP	1/10 120 OHM J 1608	
HR609	HRFT201JBA	R CHIP	1/10 200 OHM J 1608	
HR610	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
HR611	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR612	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR613	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR614	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR616	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
HR617~HR619	HRFT301JBA	R CHIP	1/10 300 OHM J 1609	
HR620~HR621	HRFT391JBA	R CHIP	1/10 390 OHM J 1609	
HR622~HR623	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR624~HR625	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR626	HRFT402FBA	R CHIP	1/10 4.0K OHM F 1608(1%)	
HR627~HR628	HRFT391JBA	R CHIP	1/10 390 OHM J 1609	
HR629	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR630~HR632	HRFT301JBA	R CHIP	1/10 300 OHM J 1609	
HR637	HRFT391JBA	R CHIP	1/10 390 OHM J 1609	
HR644~HR646	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR649	HRFT391JBA	R CHIP	1/10 390 OHM J 1609	
HR654	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR655	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR669	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR671	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR675	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
IC501	1ES4408FD-	IC MPEG DEC	ESS4408FD (MPEG DEC)	
IC505	1M29F080A-	IC FLASHROM	STM29F080A	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
IC506	1M24C04MN-	IC	M24C04MN S0P	
IC507	1CS4955---	IC VIDEO ENCODER	CS4955	
IC509	1AIC1117CY-	IC REGULATOR	AIC117-CY	
IC512	1IS42S1640	IC SDRAM	IS42S16400-7S	
IC517	1MM74HCU04	IC	MM74HCU04MX	
L501~L502	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
L503	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
L505	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
L506	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
L508	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
L509~L510	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
L511	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
L512~L513	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
L602~L607	HLC829J03A	COIL CHIP	8.2UH	
L603	HLC829J03A	COIL CHIP	8.2UH	
L604	HLC829J03A	COIL CHIP	8.2UH	
L605	HLC829J03A	COIL CHIP	8.2UH	
L606	HLC829J03A	COIL CHIP	8.2UH	
WC500	9728816200	CONN FFC	FFC 8P P=1.0X226MM R	
WC501	9728816300	CONN FFC	FFC 11P P=1.0X226MM R	
XC501	5XE27M000J	CRYSTAL QUARTZ	27MHZ HC-49/U (RADIAL/SMD)	

MPEG PCB Ass'y : DHC-XD300S / 300PS / 350S / 350PS only

Location	Part Code	Part Name	Description	Remark
13000	9CDC06????	PCB MPEG AS	DV-226	
B0001	9CD6586501	PCB MPEG	150X150(6028)	
CE506	CEXF1C470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE508	CEXF1C470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE510	CEXF1C470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE523	CEXF1C470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE617	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE618	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE619	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE621	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE622	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE625	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE626	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CW501	9736324700	JACK ATAPI	40P ATAPI	
CW503	9CD6267300	CONN WAFER	52806-0810	
CW504	9CD6267400	CONN WAFER	52806-0610	
CW507	2001-WS-04	CONN WAFER	4P 2.0MM	
CW508	9CD6267600	CONN WAFER	52806-1110	
HC501~HC526	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC528	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC531~HC532	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC534~HC538	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
HC541~HC545	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC549	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608	
HC578~HC579	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608	
HC590~HC593	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC603	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC604~HC605	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608	
HC607~HC610	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC654~HC657	HCQK271JBA	C CHIP CERA	50V CH 270PF J 1608	
HC665	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC669~HC670	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC674	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC687	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC691~HC692	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC695	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HL501~HL505	HLC104J01A	BEAD CHIP	BEAD 120 OHM 100MHZ 2012	
HL506	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HL509~HL513	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HL608	HLC189J03A	COIL CHIP	1.8UH	
HL611~HL613	HLC189J03A	COIL CHIP	1.8UH	
HQ604~HQ605	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HQ611~HQ612	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR501~HR506	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR507	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HR509~HR512	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR513~HR519	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR520~HR532	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR533~HR540	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR541~HR549	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR553~HR555	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR556	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR557~HR575	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR577~HR578	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR580~HR581	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR582	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR583	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR585	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR587	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR590~HR591	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR592	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR594	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR597	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	
HR598	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR599~HR601	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR608	HRFT121JBA	R CHIP	1/10 120 OHM J 1608	
HR609	HRFT201JBA	R CHIP	1/10 200 OHM J 1608	
HR611	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR612	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR613	HRFT201JBA	R CHIP	1/10 200 OHM J 1608	
HR614	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR615	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR617	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR636	HRFT271JBA	R CHIP	1/10 270 OHM J 1608	
HR638~HR641	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR647	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR662~HR663	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR670	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
IC501	1ES6028FD-	IC MPEG DEC	ESS6028FD (MPEG DEC)	
IC502	1HY57V6415	IC SDRAM	1HY57V641520HG	
IC503	1M29F080A-	IC FLASHROM	STM29F080A	
IC505	1M24C04MN-	IC	M24C04MN S0P	
IC506~IC507	1AIC1117CY-	IC REGULATOR	AIC117-CY	
W0001	9728815700	CABLE ATAPI	40P 360MM	
XC501	5XE27M000J	CRYSTAL QUARTZ	27MHZ HC-49/U (RADIAL/SMD)	

REGULATOR PCB Ass'y

Location	Part Code	Part Name	Description	Remark
13000	9CDC061100	PCB REG AS	DV-215	
B901	9CD6586700-05	PCB REG	80X130	
CC901~CC905	CCFF1H473Z	C CERA	HIKF 50V 0.047MF Z (FORMING)	
CE901	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE902	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE905	CEXF1C472C	C ELECTRO	16V RUS 4700MF (16X35.5)	
CE906	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE907	CEXF1C222V	C ELECTRO	16V RSS 2200MF (16X31.5) TP	
CE908	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	
CE909~CE910	CEXF1E102V	C ELECTRO	25V RSS 1000MF (13X20) TP	
CE911~CE912	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE913~CE918	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
CE919~CE920	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CE921	CEXF1C472C	C ELECTRO	16V RUS 4700MF (16X35.5)	
CE922	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE923	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CM904~CM906	CMXM2A473J	C MYLAR	100V 0.047MF J	
CM907~CM912	CMXM2A223J	C MYLAR	100V 0.022MF J	
CN903	9728815300	CONN AS	#22 3P-4P P=2.0, 5.0 200MM	
CN903	2001-WS-03	CONN WAFER	3P 2.0MM	
CN907	9728814601	CONN AS	#22 Ribbon 4P TO 4P 200MM	
CN993	9728814901	CONN AS	#22 6P P=2.0 150MM	
CW901	9728808400	CONN WAFER	VH-2A WAFER	
CW902	2503-WS-07	CONN WAFER	7P 2.5MM	
CW903A	2001-WS-05	CONN WAFER	5P 2.0MM	
CW903B	2001-WS-03	CONN WAFER	3P 2.0MM	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
CW904	2503-WS-05	CONN WAFER	5P 2.5MM	
D901~D904	DIN4007---	DIODE	IN4007	
D905	DZN4148---	DIODE	IN4148 AUTO 52MM	
D906~D916	DIN4007---	DIODE	IN4007	
DB902	DKBPC806--	DIODE	KBPC806	
DB903~DB904	D2W10L----	DIODE BRIDGE	2W10L	
DZ901	DZTZ3R3B--	DIODE ZENER	MTZ 3.3V B	
DZ902	DZTZ4R3B--	DIODE ZENER	MTZ4.3B	
DZ903	DZTZ30B---	DIODE ZENER	MTZ30B	
F901	5FSGB4022L	FUSE GLASS TUBE	VDE TL 4A 250V MF51	
FC903~FC904	9734600800	HOLDER FUSE CLIP	PI5.2 - REEL	
IC901~IC902	1KIA7805AP	IC REGULATOR	KIA7805AP	
IC903	1KA378R05-	IC	KA378R05	
IC904	1KIA7805AP	IC REGULATOR	KIA7805AP	
IC905	1KIA7812AP	IC REGULATOR	KIA7812AP	
IC906	1KIA7912AP	IC	KIA7912AP (MOLD)	
JW901~JW904	W581GY7595	WIRE JUMPER	AWG22 1/0.65 SN 7.5 AUTO	
JW905	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO	
Q901	TZRC107M--	TR	KRC107M(DTC114YS) (KSR1006)	
Q902	TZTC3198Y-	TR	KTC3198Y (2SC5343Y) AUTO	
Q903	TZTA1273Y-	TR	KTA1273Y(A966Y) (2SA928A-Y)	
R901	RD-4Z101J-	R CARBON FILM	1/4 100 OHM J	
R903~R904	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R905	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	
R906	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R907	RD-4Z100J-	R CARBON FILM	1/4 10 OHM J	
R908	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	
R909	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R922~R925	RN-4Z478J-	R METAL FILM	1/4W 0.47 OHM J	
G1	9CD6450500	TERMINAL GND	SNP 0.3T	
10	9CD4406900	HEAT SINK	AL	
20	9CD44066D0	HEAT SINK DIODE	AL.EXTRUSION	
30	9CD4407100	HEAT SINK TR	AL	

IN/OUT PCB Ass'y

Location	Part Code	Part Name	Description	Remark
14000	9CDC061200	PCB INOUT AS	DV-215	
B401	9CD6586800-02	PCB INOUT	80X169	
CE401	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X10) TP	300P/300PS/350P/350PS Only
CE402~CE403	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE405~CE406	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE407~CE410	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP	
CE411~CE412	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE413	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE414	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE415	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE416	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	
CE417	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	
CE418~CE419	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE420~CE425	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	
CE426~CE427	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	
CE428	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12) TP	Europe Only(Scart Jack)
CW401	9CD6269100	CONN WAFER	52806-2710	
CW408	9CD6267600	CONN WAFER	52806-1110	
HC401~HC402	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	300P/300PS/350P/350PS Only
HC403	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC404	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC405~HC406	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC409~HC410	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	
HC411~HC412	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC415~HC416	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC419~HC420	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC423	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC424	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
HC425~HC426	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC427~HC428	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC429~HC430	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC431	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC432	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	

15. Electrical Parts List

Location	Part Code	Part Name	Description	Remark
HC434~HC435	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC437~HC438	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	Europe Only(Scart Jack)
HC439	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
HC449	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HD402~HD404	DZDS160---	DIODE SW CHIP	KDS160	
HD419~HD420	DZDS160---	DIODE SW CHIP	KDS160	
HD421~HD422	DZDS160---	DIODE SW CHIP	KDS160	Europe Only(Scart Jack)
HL404~HL409	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL410~HL411	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	Europe Only(Scart Jack)
HL412~HL418	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL413	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL414	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL415	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL416	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL417	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL420~HL424	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL428	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	Europe Only(Scart Jack)
HL429	HLC104J01A	COIL CHIP	BEAD 120 OHM 100MHZ 2012	
HL401	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	300P/300PS/350P/350PS Only
HL402	HLC479J03A	COIL CHIP	4.7UH CHIP 2012	
HQ401~HQ402	TZTC3875S-	TR CHIP	KTC3875Y	
HQ403~HQ404	TZRC107S--	TR CHIP	KRC107S	
HQ405	TZTC3875S-	TR CHIP	KTC3875Y	Europe Only(Scart Jack)
HQ406	TZRC107S--	TR CHIP	KRC107S	Europe Only(Scart Jack)
HQ407	TZRA102S--	TR CHIP	KRA102S (10X10)PNP	Europe Only(Scart Jack)
HQ408	TZRC107S--	TR CHIP	KRC107S	Europe Only(Scart Jack)
HQ409	TZRA102S--	TR CHIP	KRA102S (10X10)PNP	Europe Only(Scart Jack)
HQ410	TZRC107S--	TR CHIP	KRC107S	Europe Only(Scart Jack)
HR401	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	300P/300PS/350P/350PS Only
HR402	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR403	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR409~HR410	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR411~HR414	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR415~HR416	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR417~HR418	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR419~HR420	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR421~HR422	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR423~HR424	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR425	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR426	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR427~HR431	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR432	HRFT680JBA	R CHIP	1/10 68 OHM J 1608	
HR433	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR434	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR435	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR436	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR437	HRFT680JBA	R CHIP	1/10 68 OHM J 1608	
HR438	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR439	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR440	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR441~HR442	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR443~HR446	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR447~HR450	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR451	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR452	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR453~HR454	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR455~HR456	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR457	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
HR458	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
HR459	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR460	HRFT680JBA	R CHIP	1/10 68 OHM J 1608	
HR461~HR462	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	Europe Only(Scart Jack)
HR463~HR464	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	Europe Only(Scart Jack)
HR465~HR466	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	Europe Only(Scart Jack)
HR467	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	Europe Only(Scart Jack)
HR468	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	Europe Only(Scart Jack)
IC401	1NJU7313A-	IC SWITCH	NJU7313A (SW ARRAY)	
IC402~IC403	1NJM4558M-	IC CHIP	NJM4558M	
IC404	1LA7952---	IC SWITCH	LA7952	
IC405	1MM74HCU04	IC	MM74HCU04MX	

15. Electrical Parts List

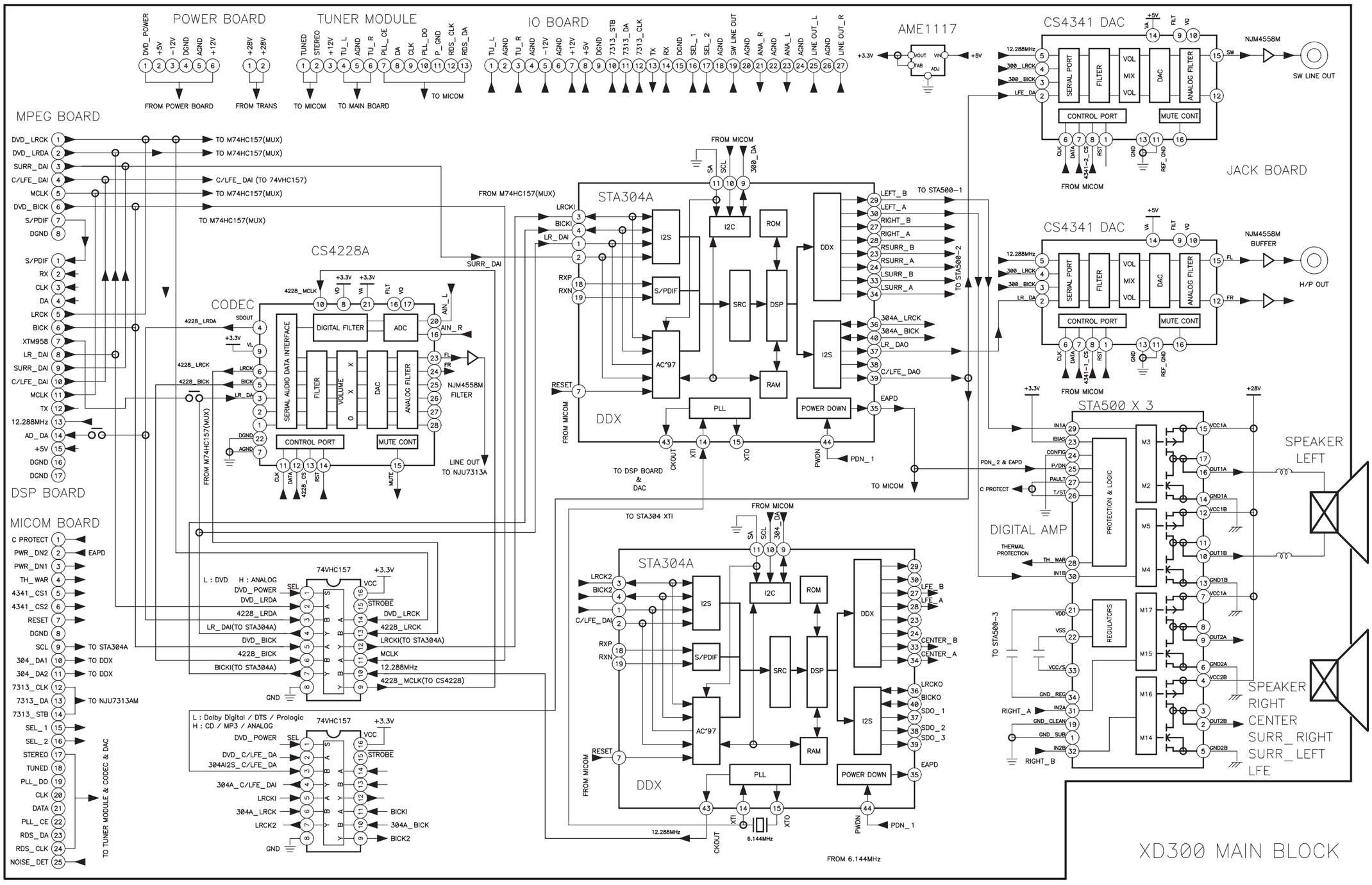
Location	Part Code	Part Name	Description	Remark
IC406	1NJM4558M-	IC CHIP	NJM4558M	
IC407	1TXOC0805-	IC TX	OC0805-TX	
IC408	ICRX0C0805	IC RX	OC0805-RX	300P/300PS/350P/350PS Only
J401	9736325100	JACK RCA	JB090148 (RCA 9P)	
J402	9736325200	JACK S-VIDEO	C5026030 (S-VIDEO+RCA)	
J403	9736324800	JACK SCART	21P	Europe Only(Scart Jack)
WC400	9728816400	CONN FFC	FFC 27P P=1.0X100MM R	

STANDBY PCB Ass'y

Location	Part Code	Part Name	Description	Remark
15000	9CDC061300	PCB STANDBY AS	DV-215	
AC991	9736909600	CORD AC	KE-25 H03VVH2-F 1820MM	Country Option
B981	9CD6586900-03	PCB STANDBY	139X98	
CC982	CH1BFE472M	C CERA AC	AC400V 4700PF M U/C/V	
CN984	9728815200	CONN AS	#22 5P P=2.5 BOARD-IN 350MM	
CW981	9728808100	CONN WAFER	GP390-03P-TS-M(W/O CENTER	
CW982	9728815600	CONN WAFER	WAFER P=7.92 (VH792-03A WHITE)	
D981	DIN4007---	DIODE	IN4007	
F991	5FSGB2022L	FUSE GLASS TUBE	SEMKO TL 2A 250V MF51	Country Option(220V~240V)
F991	5FSGB3122L	FUSE GLASS TUBE	SEMKO TL 3.15A 250V MF51	Country Option(100V~127V)
FC901~FC902	9734600800	HOLDER FUSE CLIP	PI5.2 - REEL	
PT981	5TP8028875	TRANS POWER SUB	EI=28X12 230V 50HZ	Country Option(220~240V)
PT981	5TP1028877	TRANS POWER SUB	127V 50Hz 28 X 12	Country Option(120~127V)
PT981	5TPJ066881	TRANS POWER SUB	100V 50Hz 28 X 12	Country Option(100V)
PT991	5TP8066876	TRANS POWER MAIN	EI=66X80 230V 50HZ	Country Option(220~230V)
PT991	5TPB066880	TRANS POWER MAIN	EI=66X80 240V 50HZ	Country Option(240V)
PT991	5TP1066878	TRANS POWER MAIN	127V 50Hz 66 X 80	Country Option(120V~127V)
PT991	5TPJ066882	TRANS POWER MAIN	100V 50Hz 66 X 80	Country Option(100V)
RY981	5SC2001A01	SW RELAY	SDT-S-105LMR	

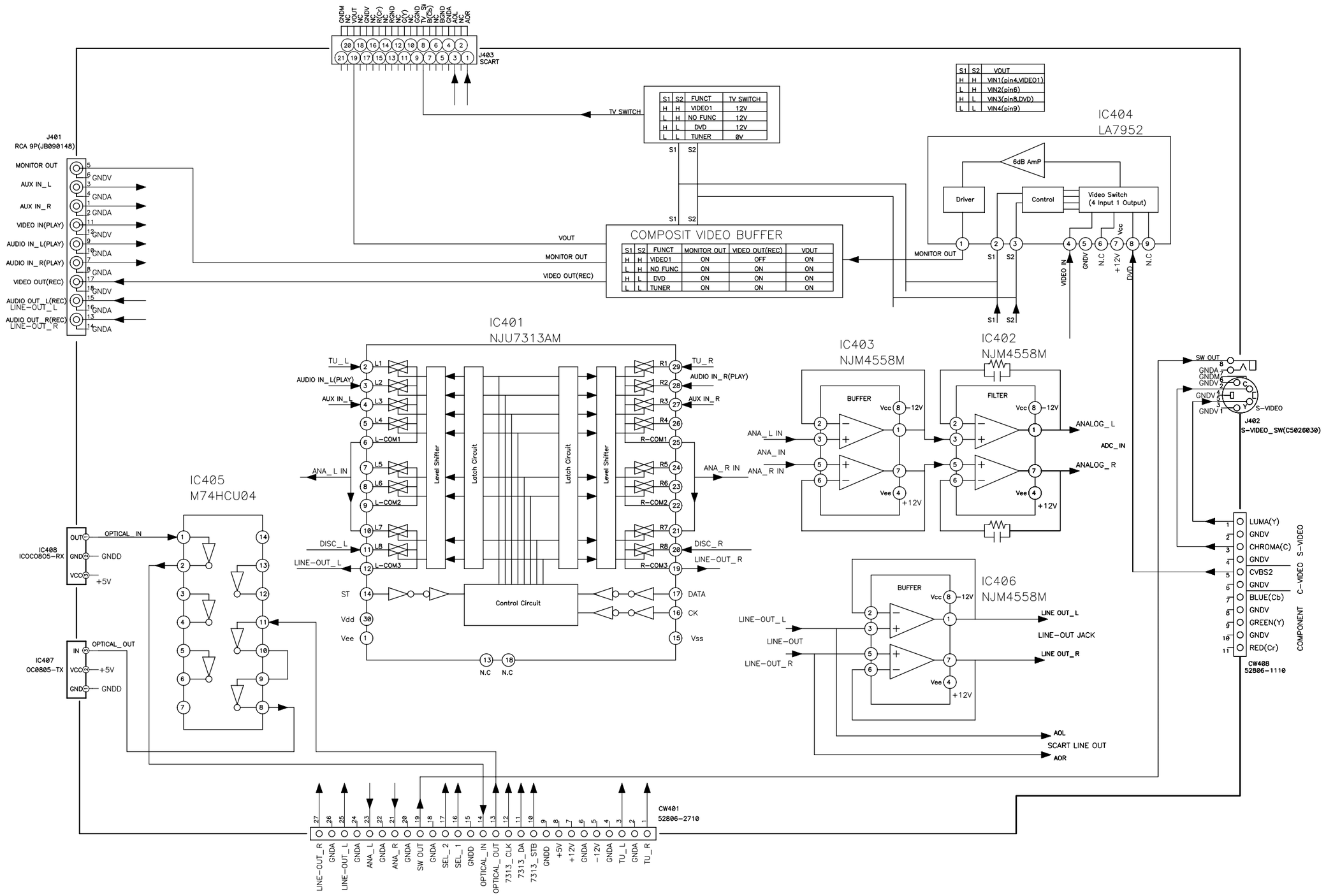
9. Block Diagram

DHC-XD300/XD350 MAIN BLOCK



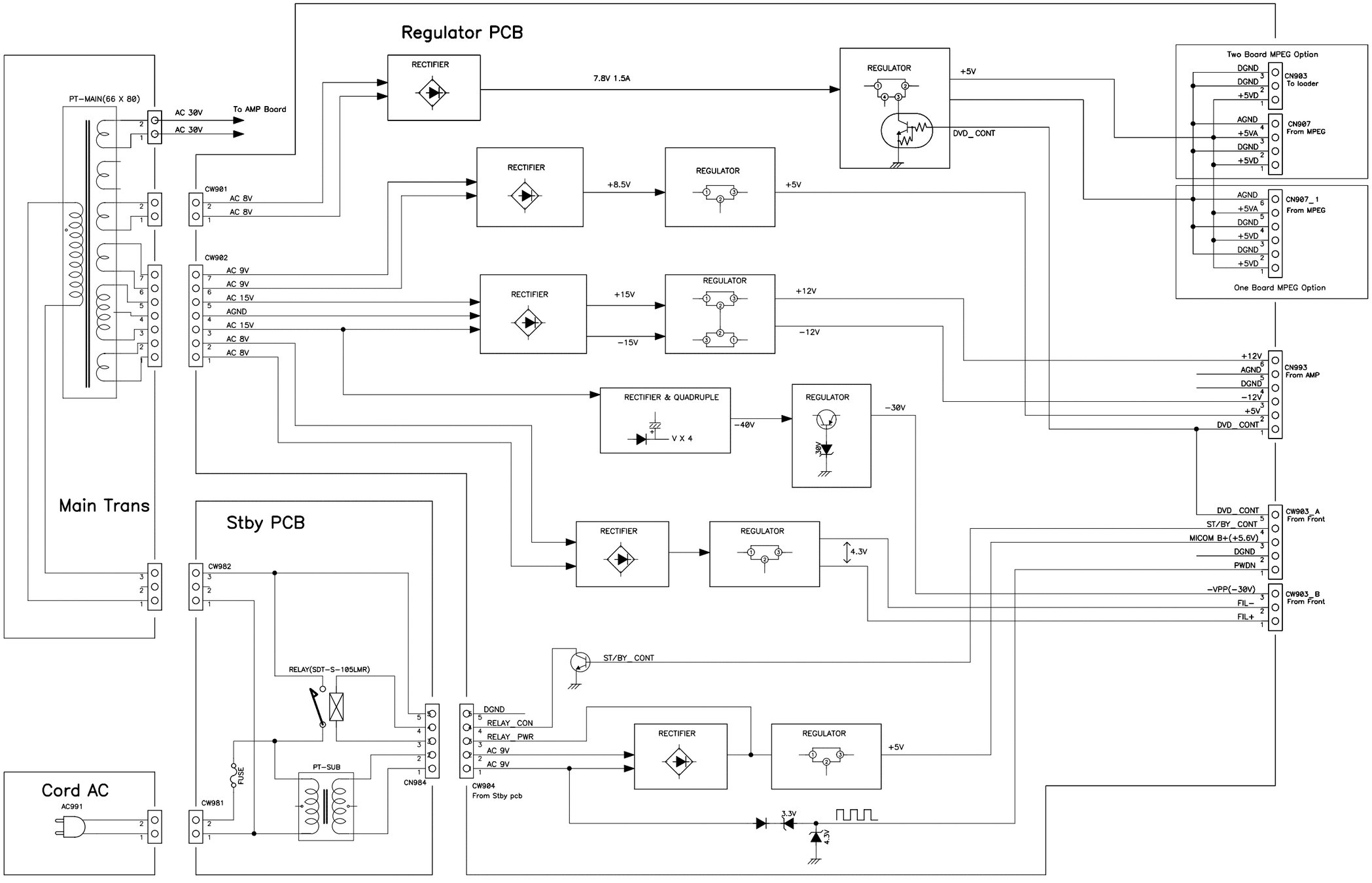
9. Block Diagram

DHC-XD300/XD350 IN/OUT BLOCK



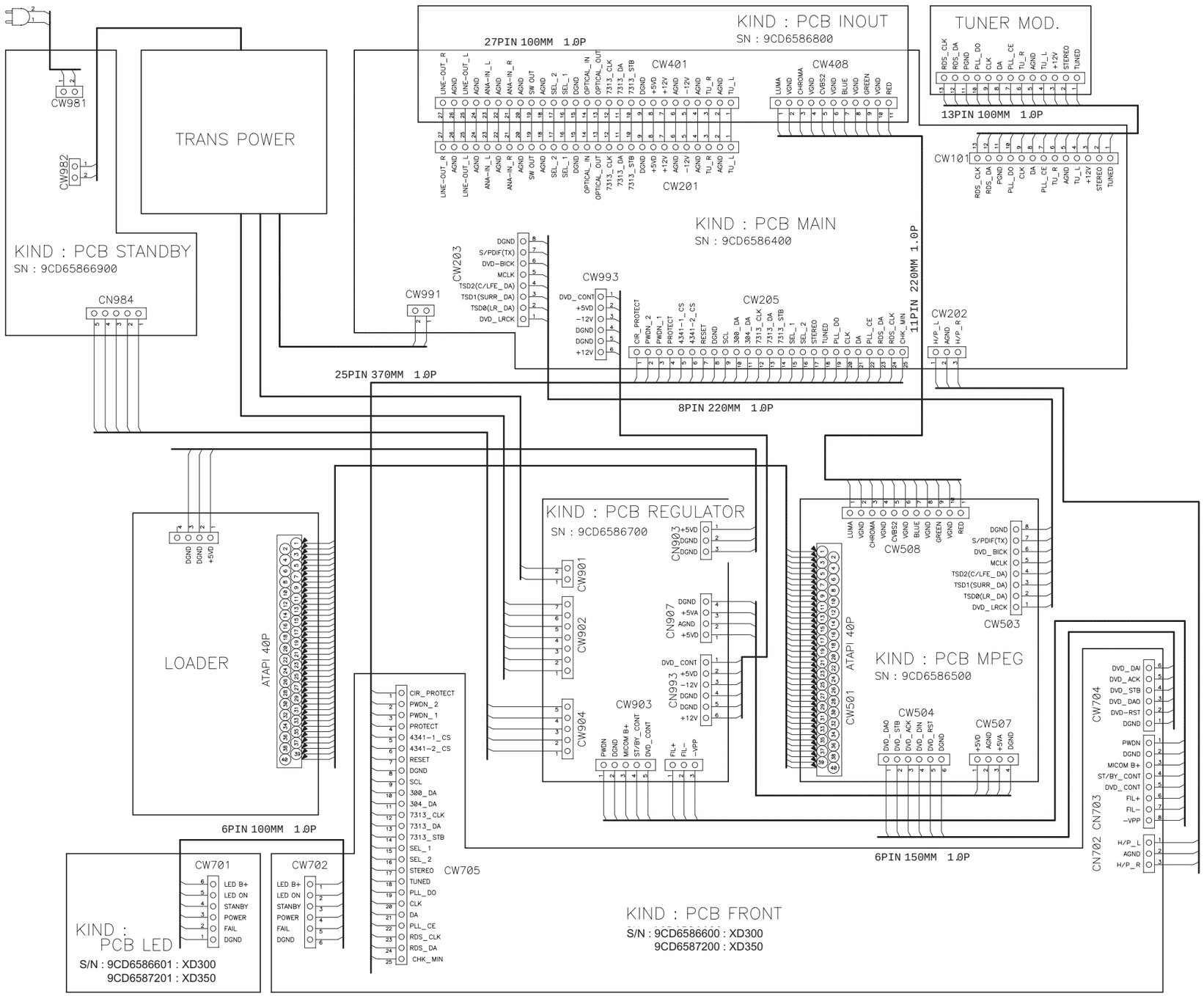
9. Block Diagram

DHC-XD300/XD350 REGULATOR BLOCK



10. Wiring Diagram

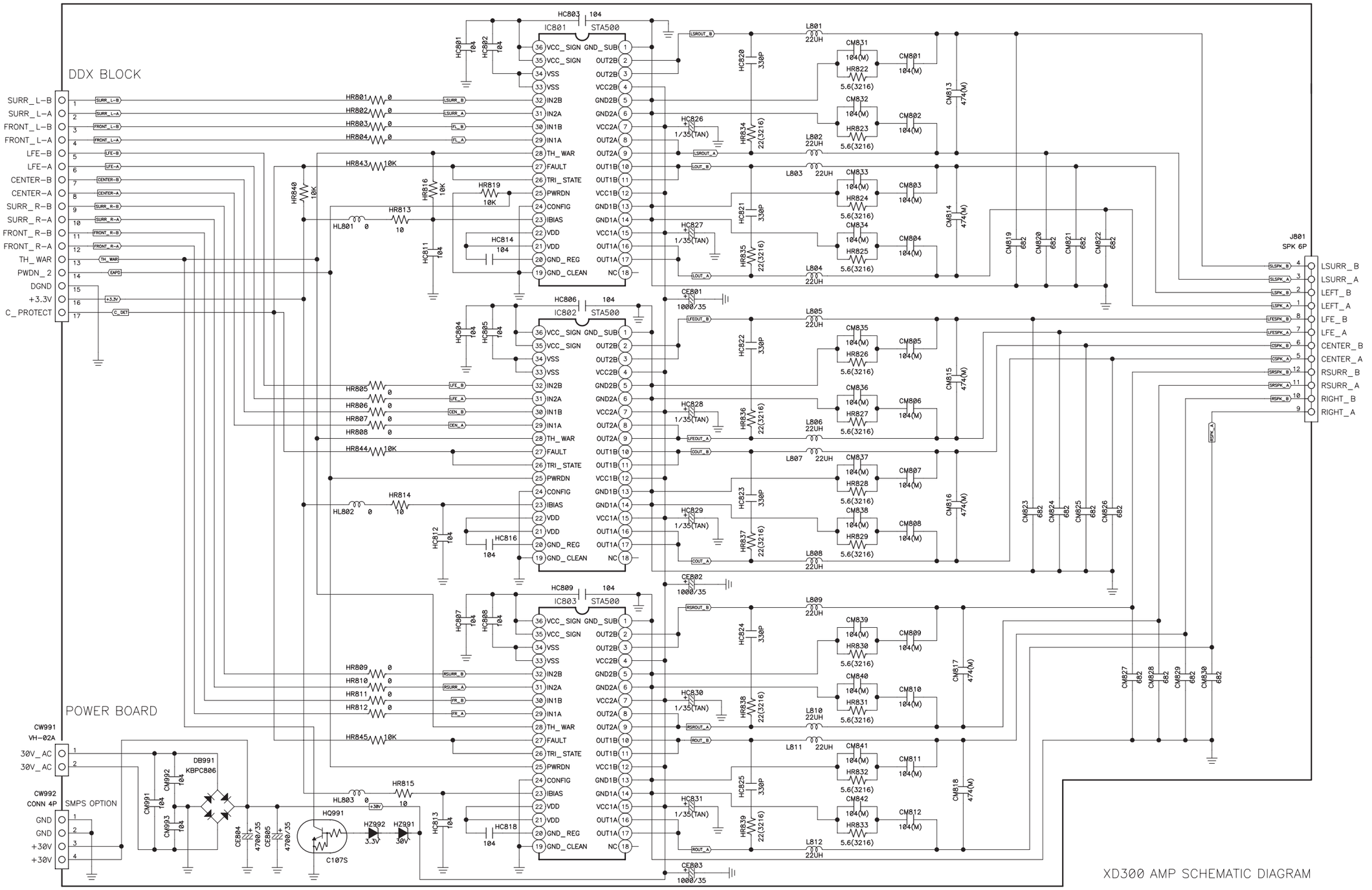
DHC-XD300/XD350



11. Schematic Diagram

-. AMP

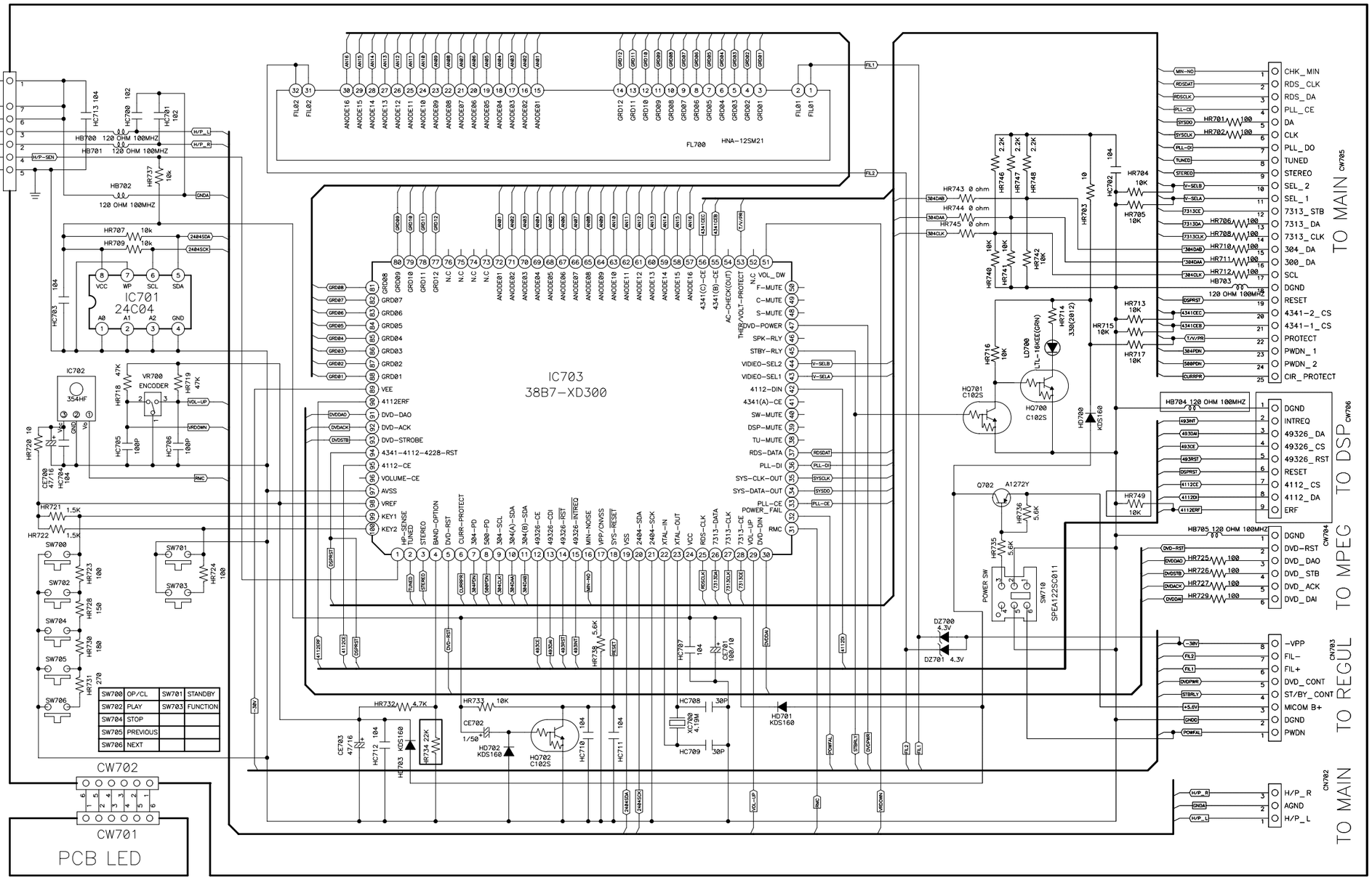
DHC-XD300/XD350



11. Schematic Diagram

-. FRONT

DHC-XD300/XD350



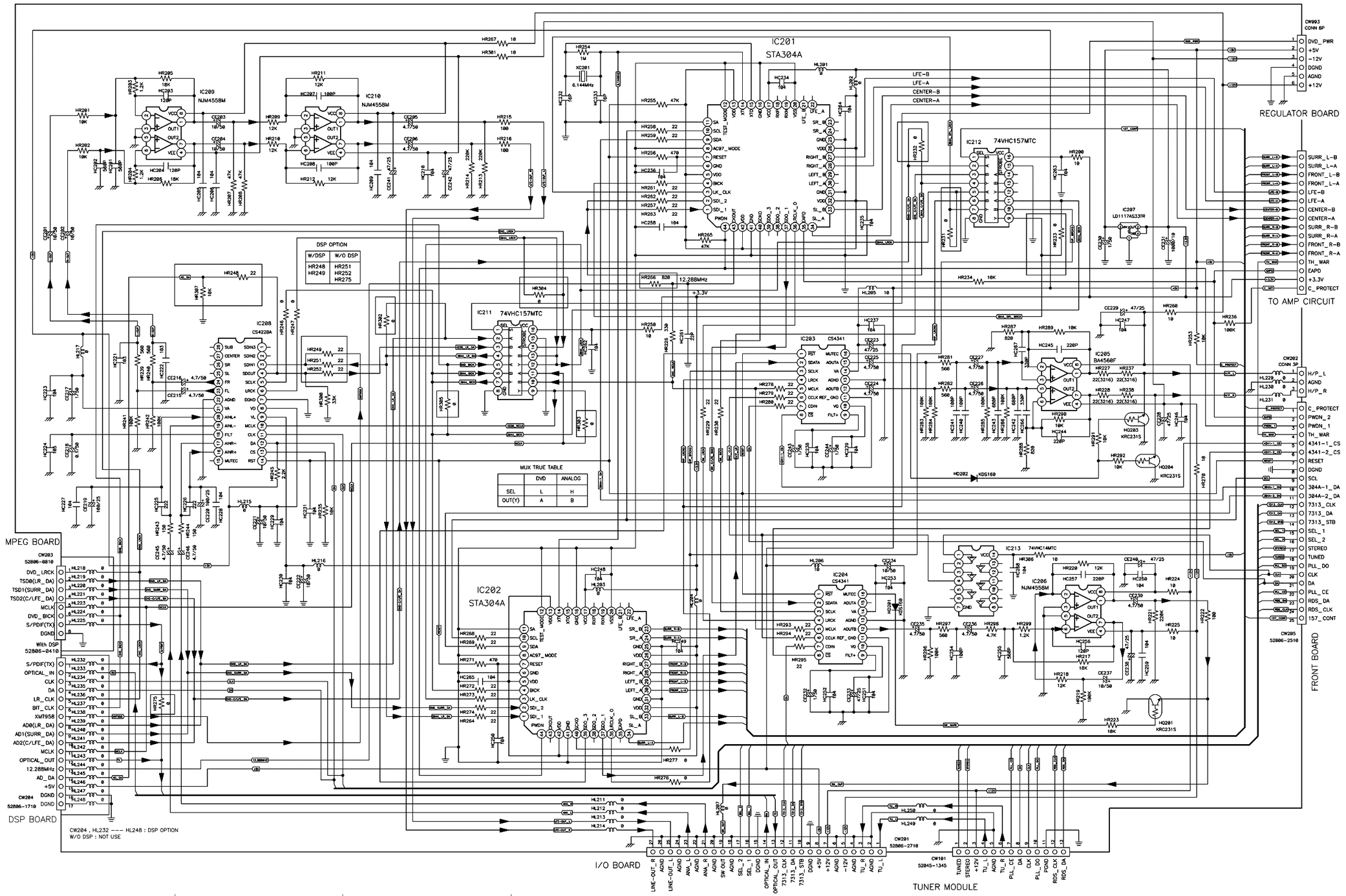
* TUNER BAND OPTION

Version / BAND	America 1/12Hr	America 2/12Hr	Eur 2Band /24Hr	Japan /12Hr	Asia 1/12Hr	Asia 2/24Hr	CIS /24Hr	Latin Am /12Hr	Eur Rds 2b/24Hr
FM(MHz)/Step	FM 87.5-108/100	FM 87.5-108.1/200	FM 87.5-108/50	FM 76-108/100	FM 87.5-108/100	FM 87.5-108/100	FM L:65-71/10	FM 87.5-108/100	FM 87.5-108/50
FM(MHz)/Step							FM H:87.5-108/50		
MW(kHz)/Step	AM 530-1710/10	AM 530-1710/10	MW 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 530-1620/10	MW 522-1620/9
LW(kHz)/Step									
HR734	Jump	330	1.2K	1.8K	2.7K	3.9K	6.8K	10K	22K

11. Schematic Diagram

-. DDX

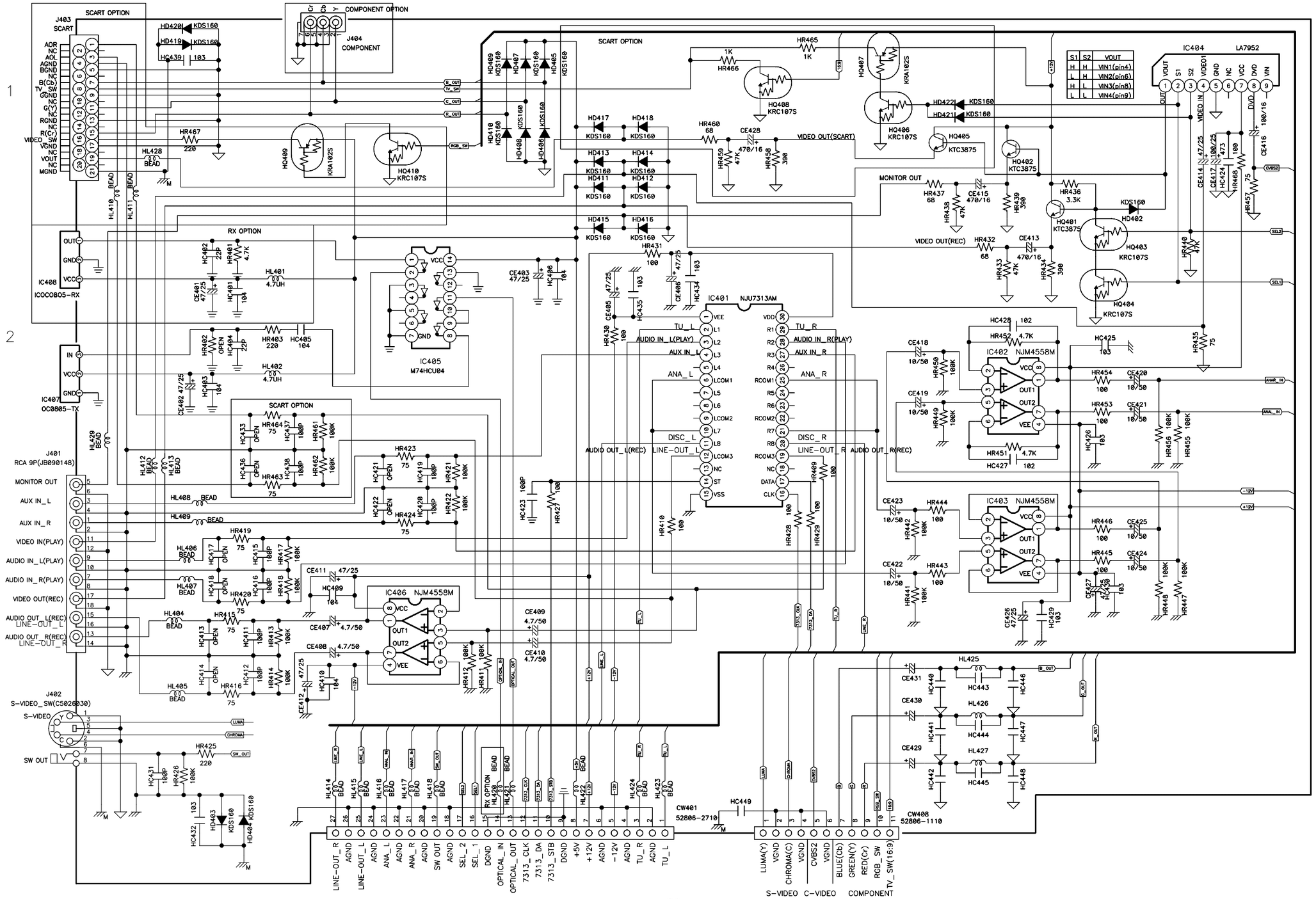
DHC-XD300/XD350



11. Schematic Diagram

-. IO

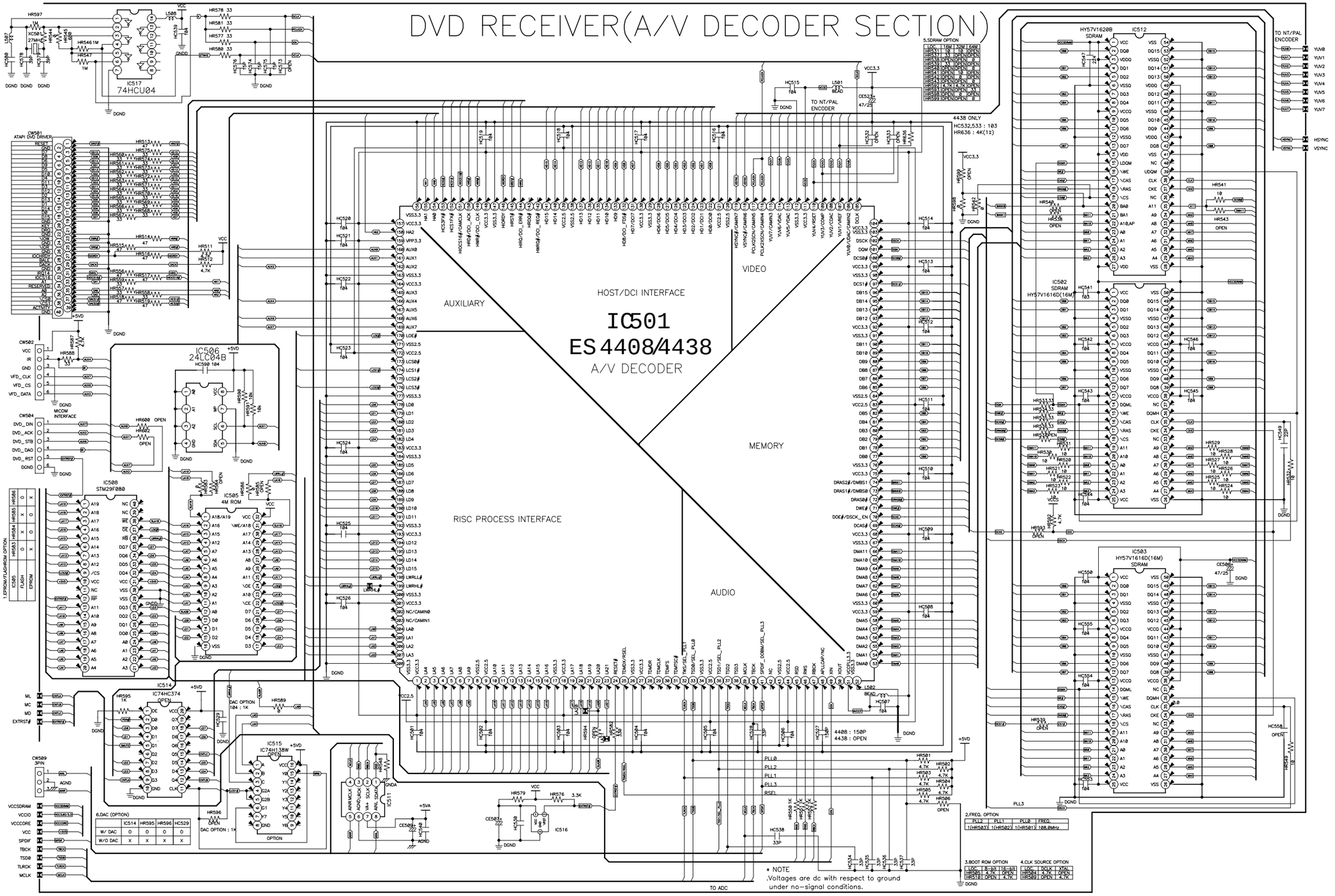
DHC-XD300/XD350



11. Schematic Diagram

-. MPEG DECODER

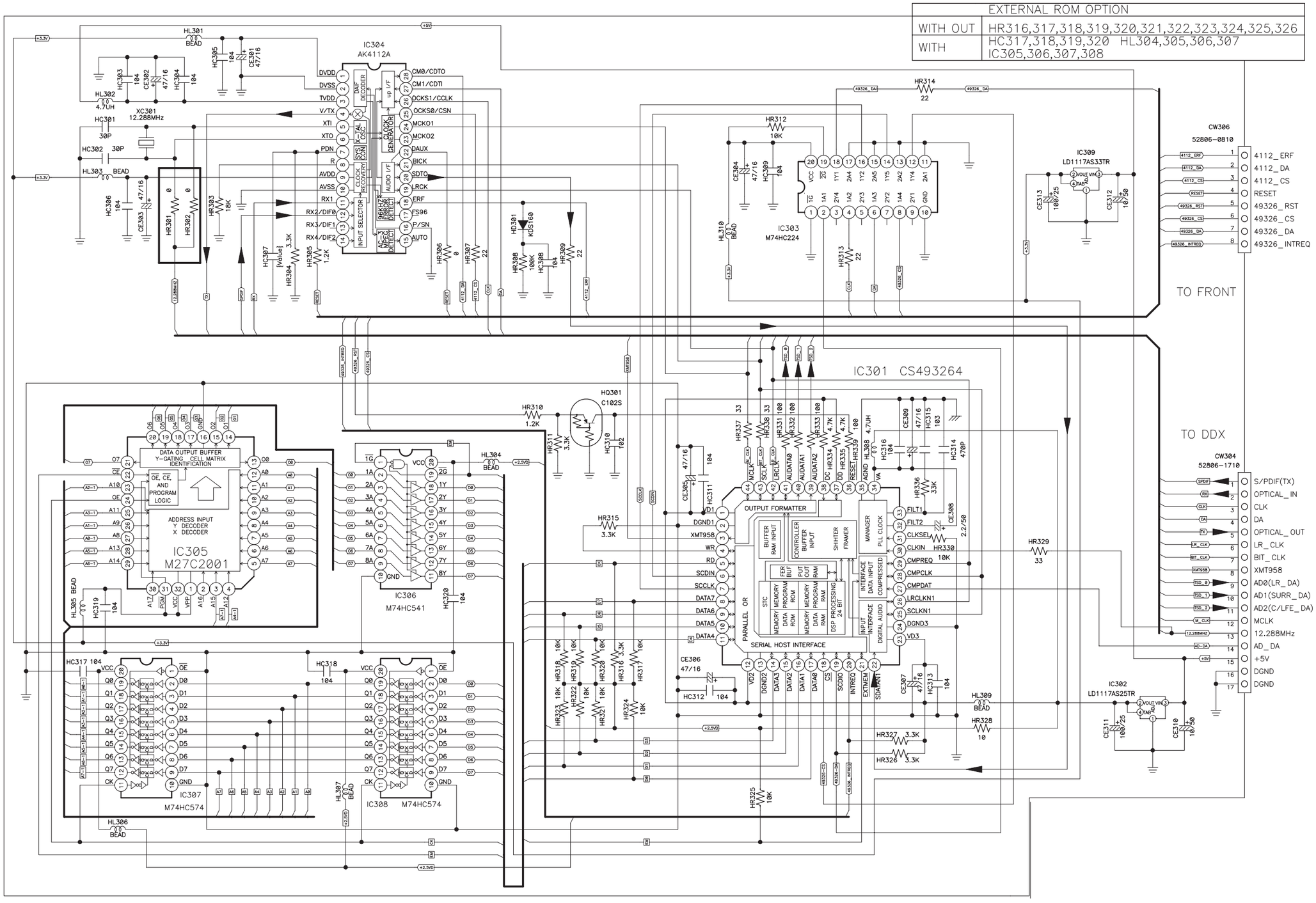
DHC-XD300/XD350



11. Schematic Diagram

-. MPEG OUTPUT

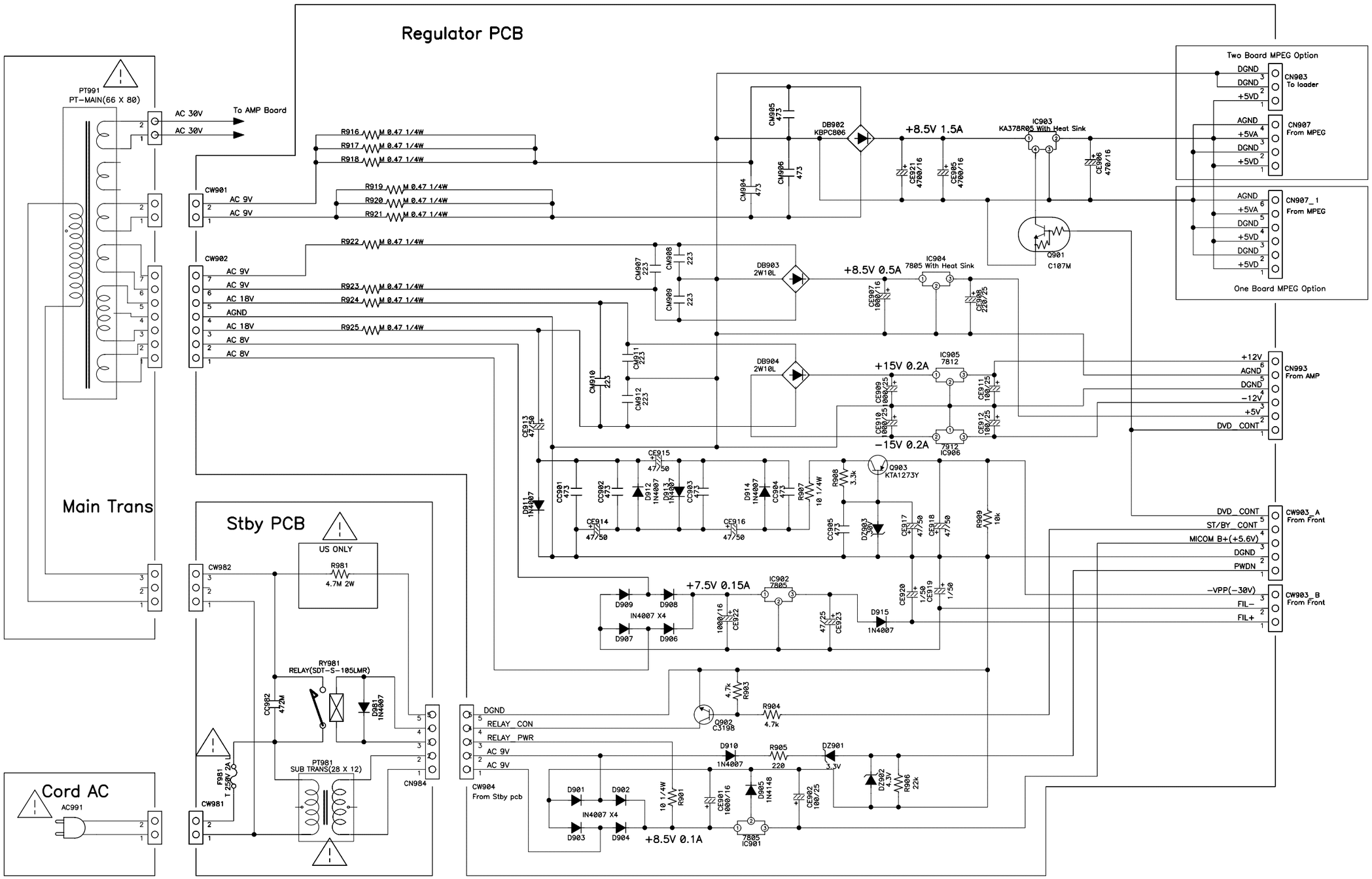
DHC-XD300/XD350



11. Schematic Diagram

-. REGULATOR

DHC-XD300/XD350

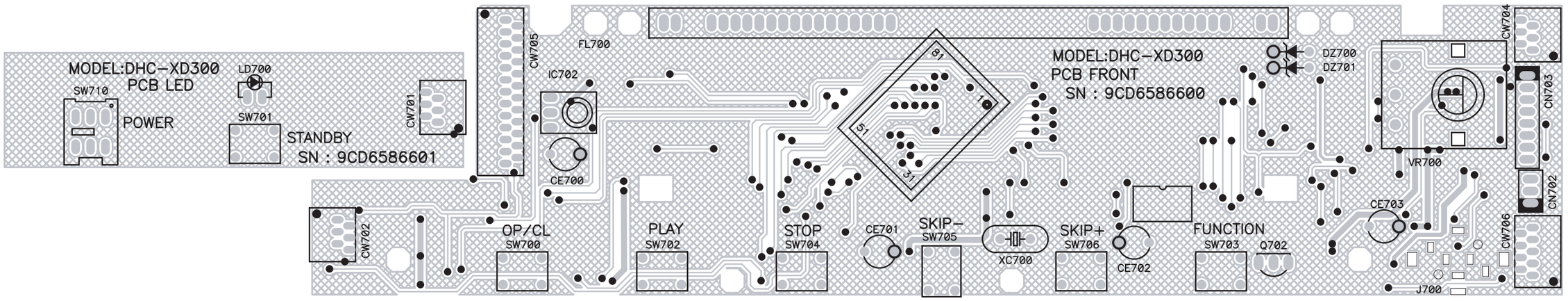


12. Printed Circuit Diagram

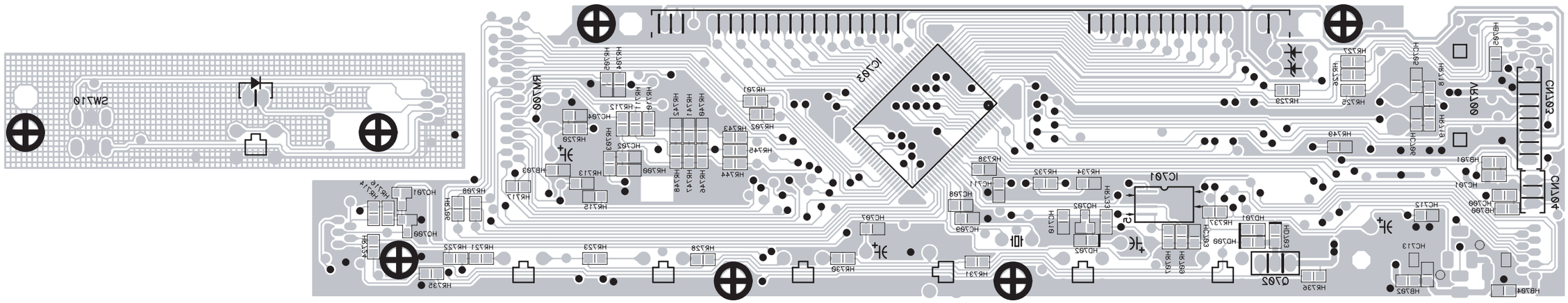
-. Front PCB

DHC-XD300 Front PCB

1-1) TOP View



1-2) BOTTOM View

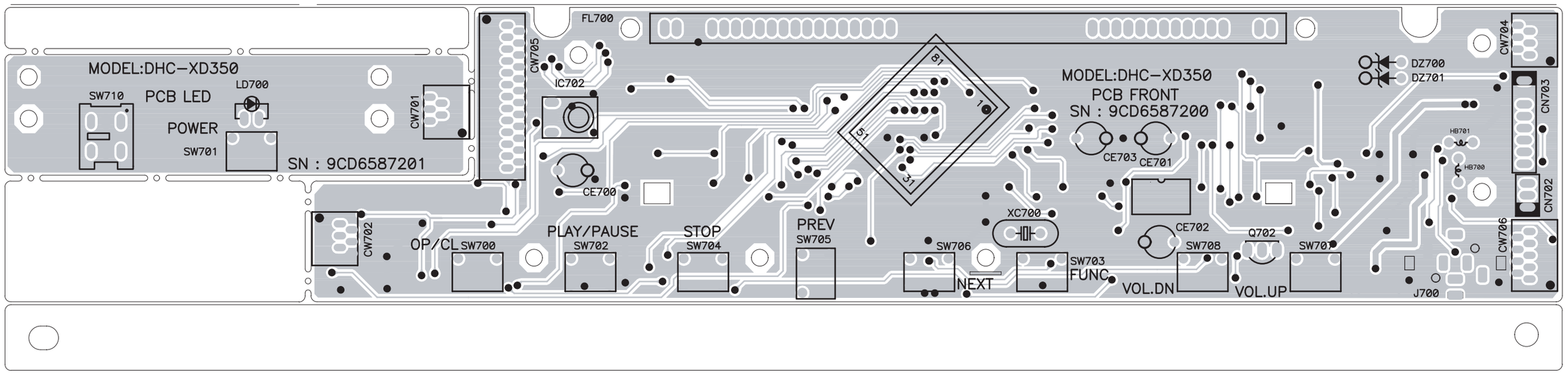


12. Printed Circuit Diagram

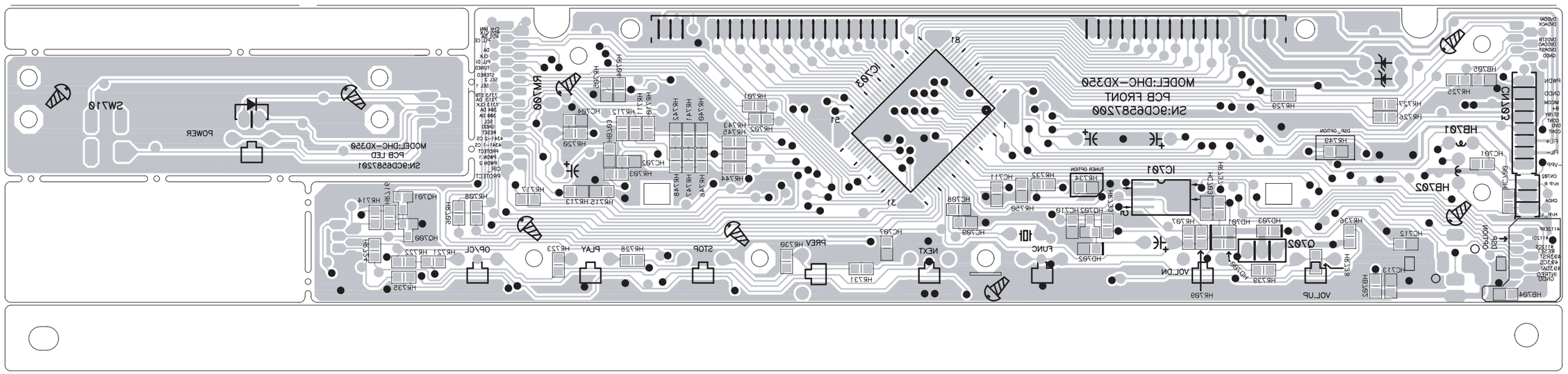
-. Front PCB

1) DHC-XD350 Front PCB

1-1) TOP View



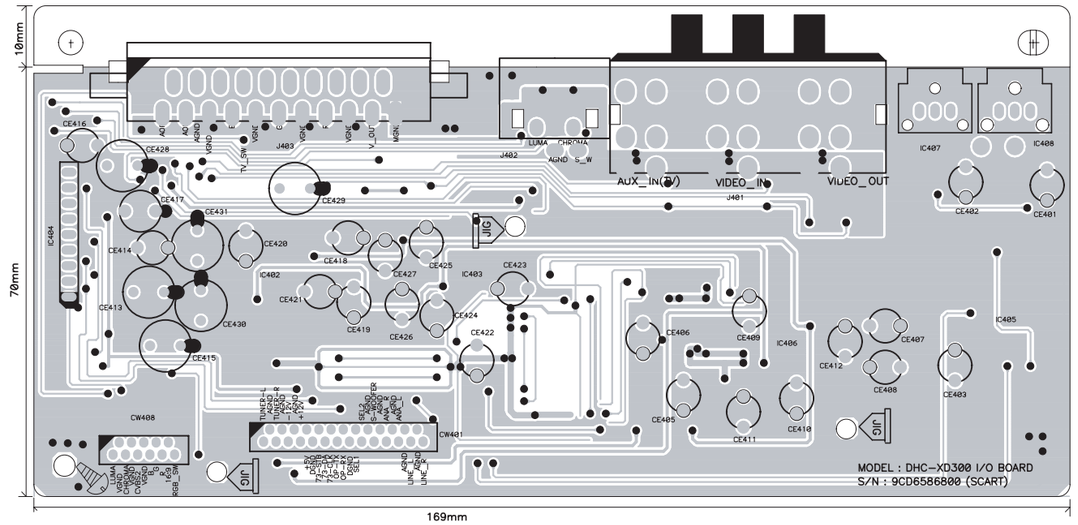
1-2) BOTTOM View



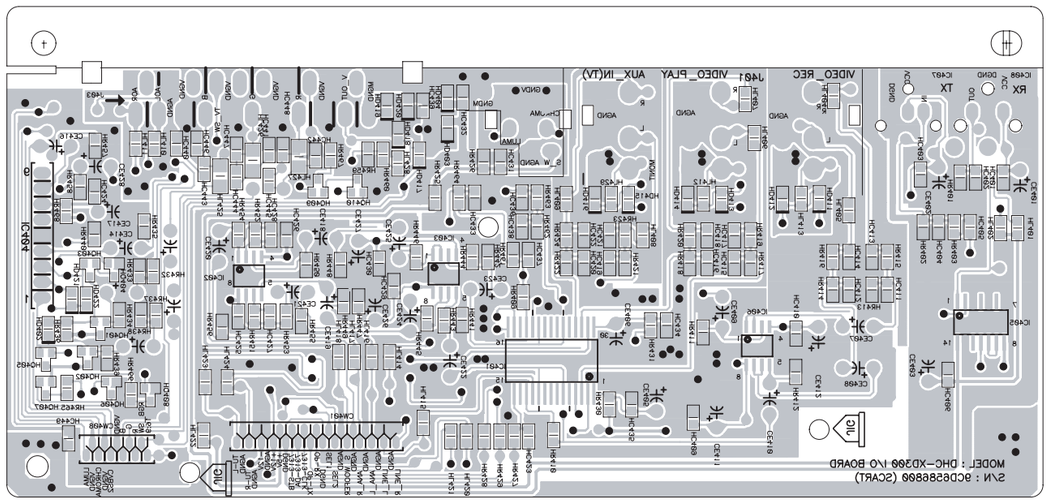
12. Printed Circuit Diagram

-. IO PCB

1) TOP View



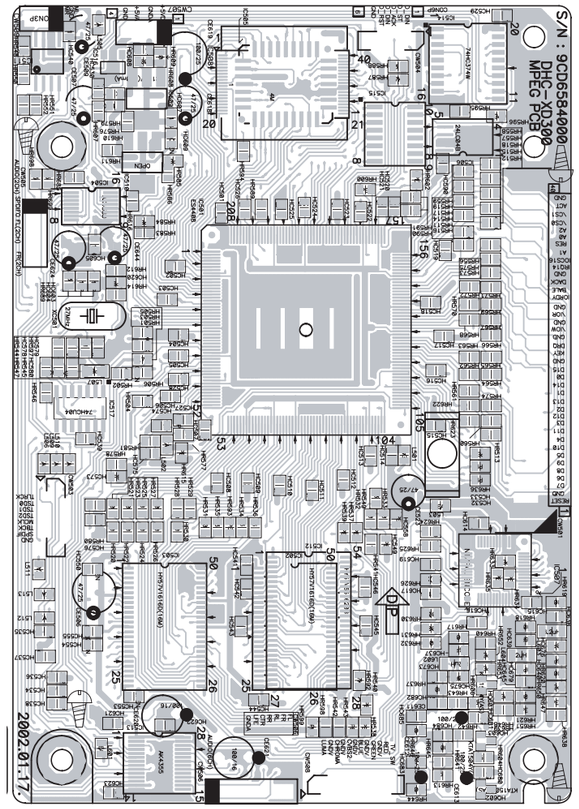
2) BOTTOM View



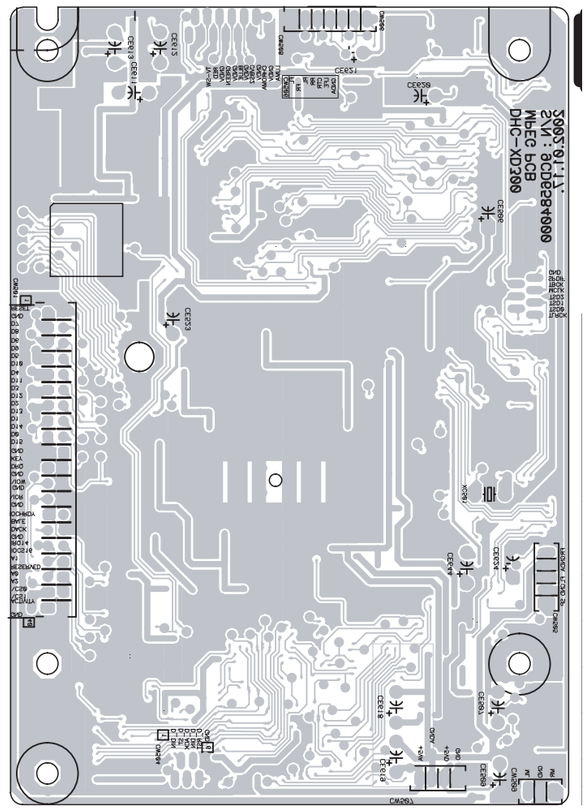
12. Printed Circuit Diagram

-. MPEG PCB

1) TOP View



2) BOTTOM View

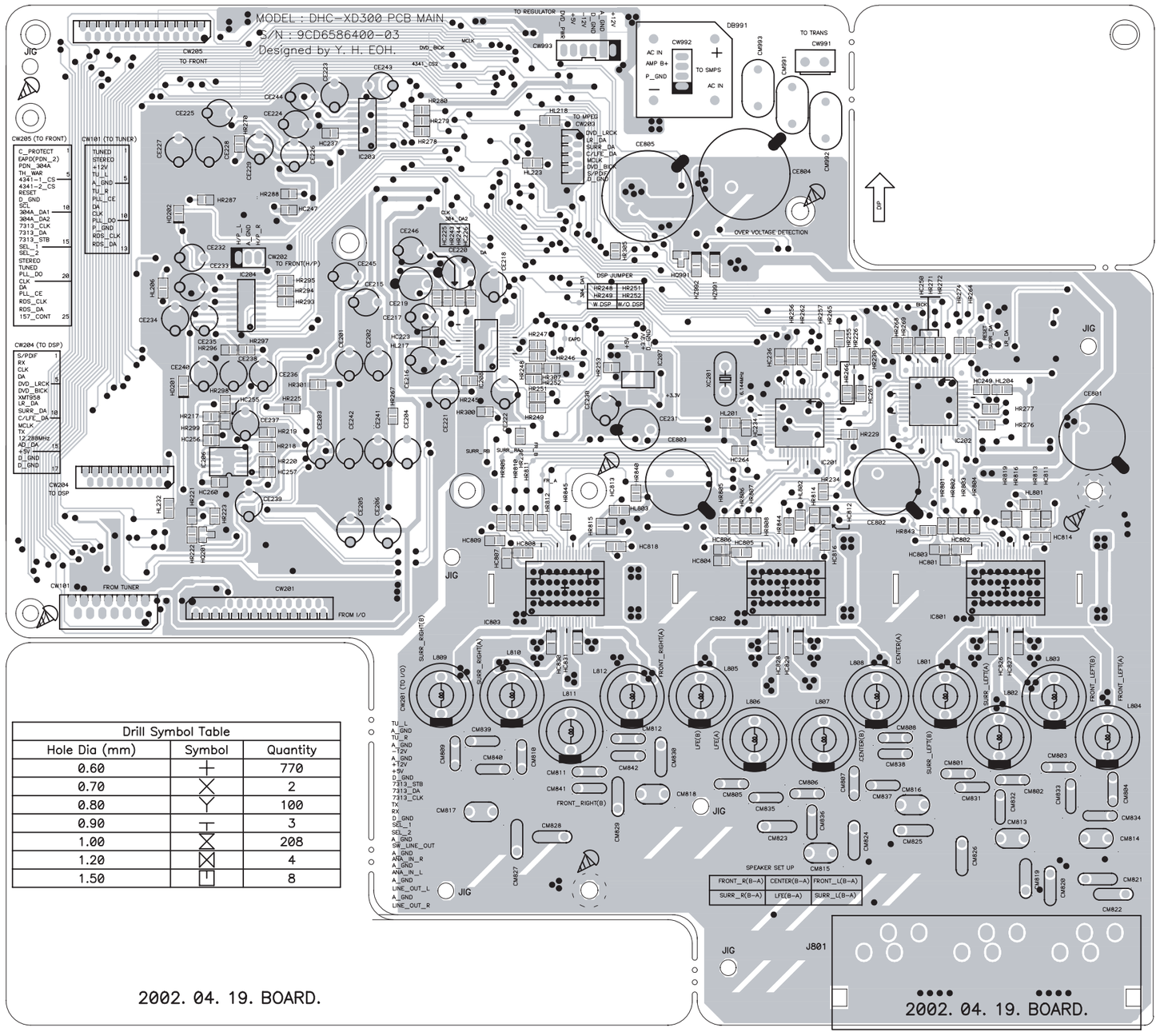


12. Printed Circuit Diagram

-. MAIN PCB

DHC-XD300/XD350

1) TOP View



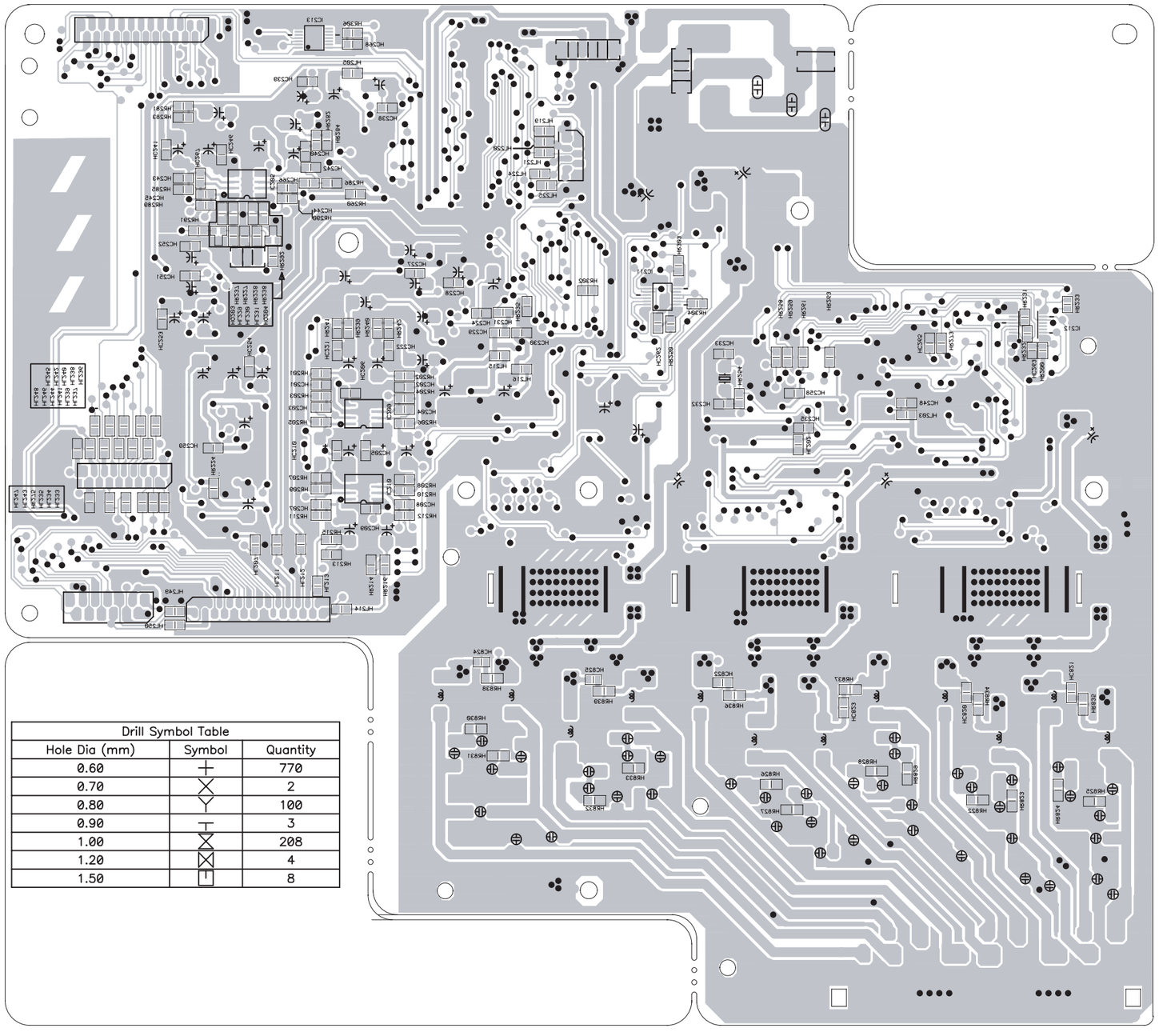
Drill Symbol Table		
Hole Dia (mm)	Symbol	Quantity
0.60	+	770
0.70	X	2
0.80	Y	100
0.90	⊥	3
1.00	⊠	208
1.20	⊠	4
1.50	□	8

12. Printed Circuit Diagram

-. MAIN PCB

DHC-XD300/XD350

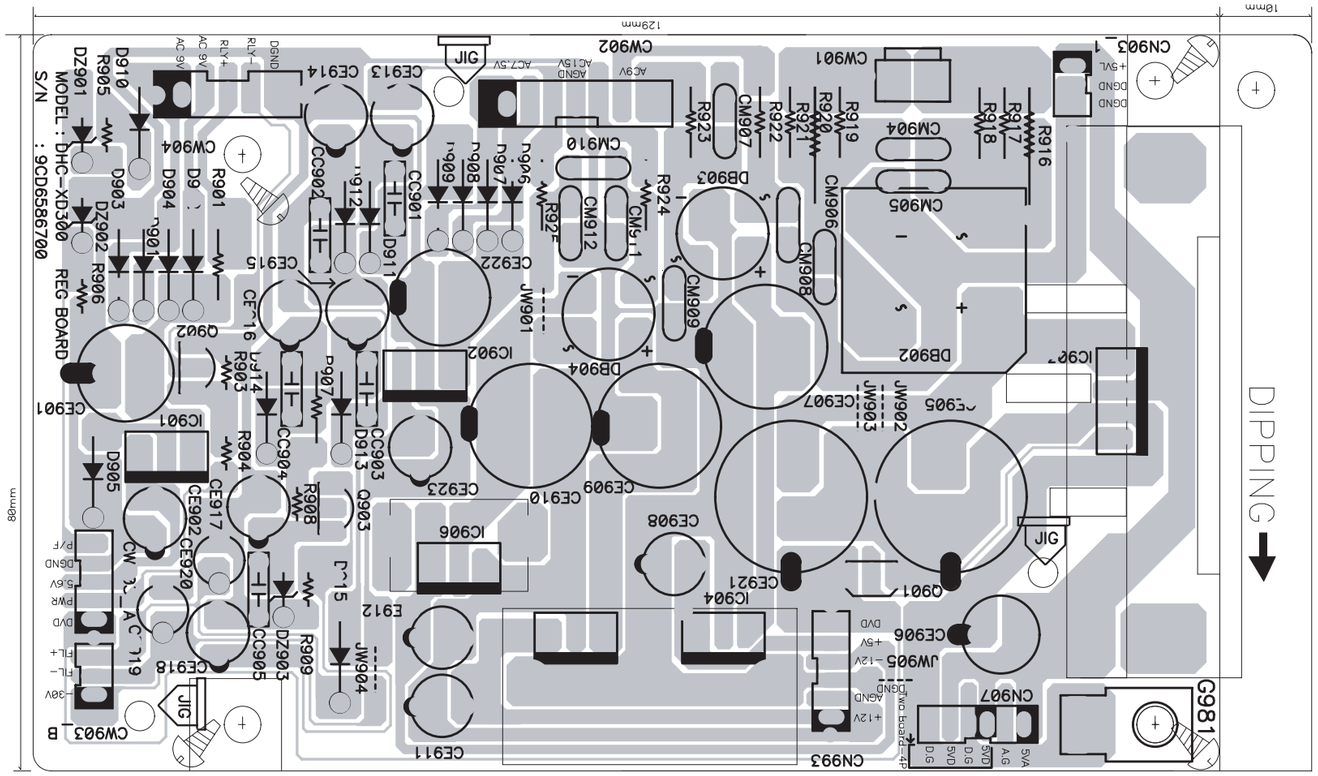
2) BOTTOM View



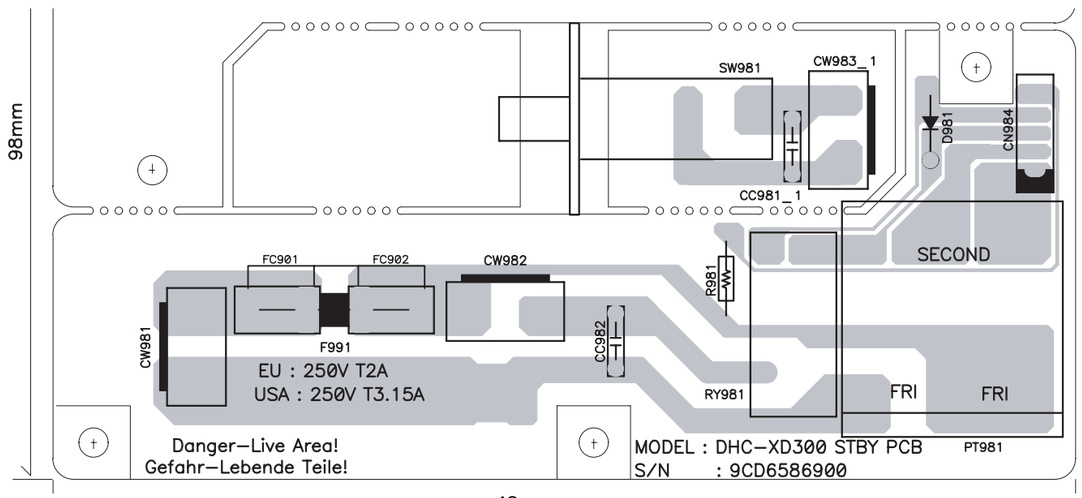
Drill Symbol Table		
Hole Dia (mm)	Symbol	Quantity
0.60	+	770
0.70	⊠	2
0.80	◇	100
0.90	⊤	3
1.00	⊠	208
1.20	⊠	4
1.50	⊡	8

12. Printed Circuit Diagram

-. REGULATOR PCB
DHC-XD300/XD350

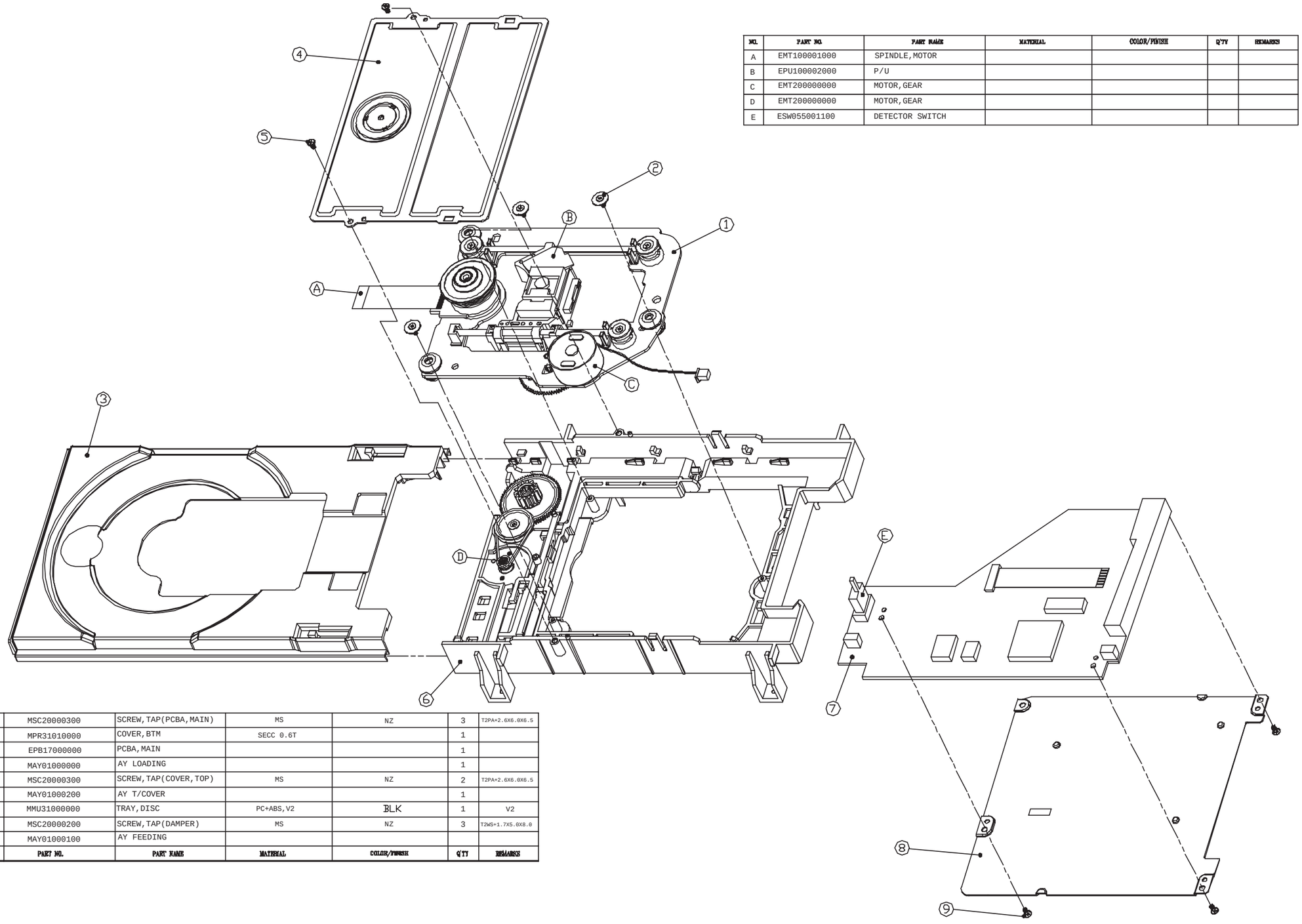


-. STANDBY PCB
DHC-XD300/XD350



13. Mechanism

DHC-XD300/XD350

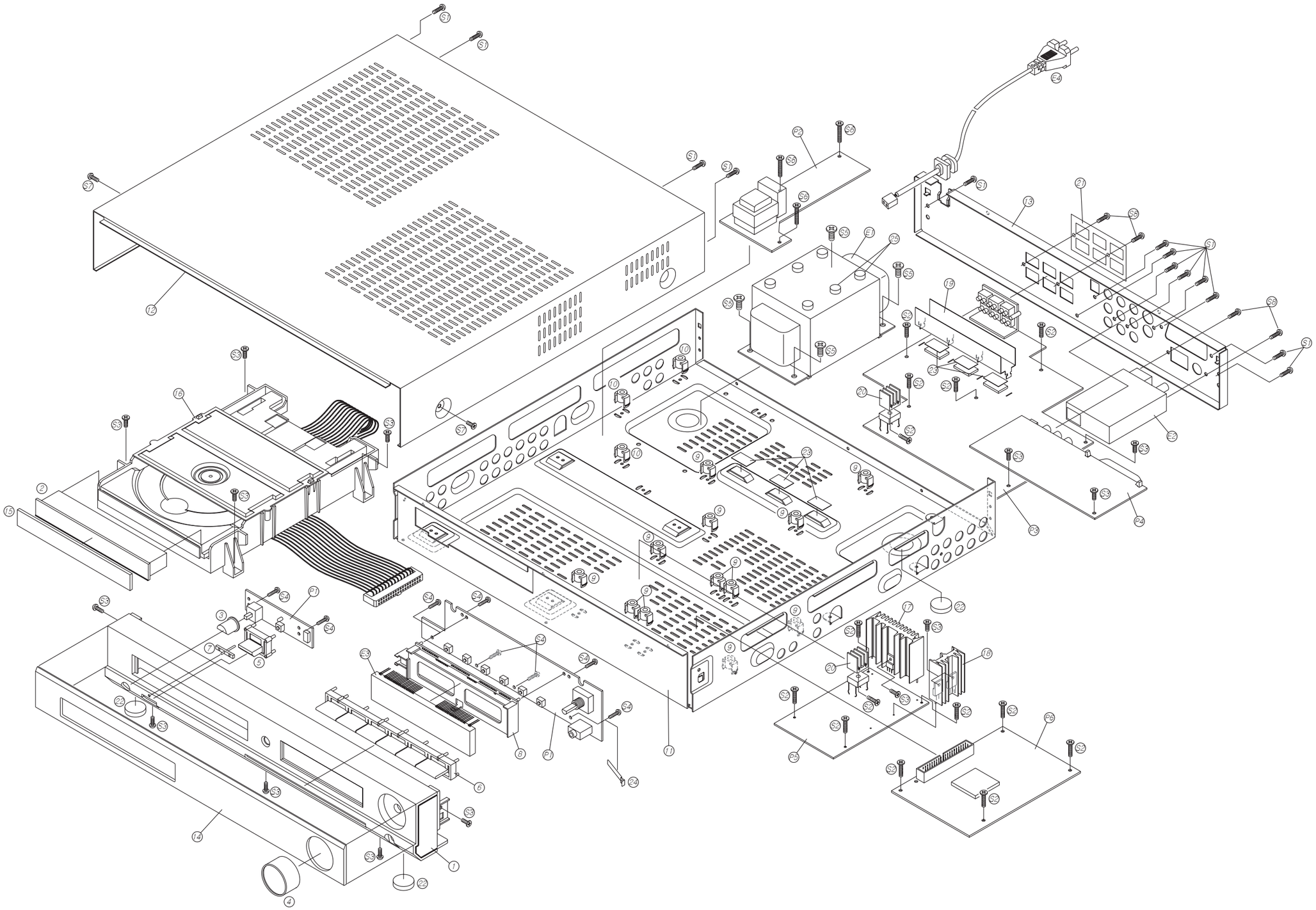


NO.	PART NO.	PART NAME	MATERIAL	COLOR/FINISH	Q'TY	REMARKS
A	EMT100001000	SPINDLE,MOTOR				
B	EPU100002000	P/U				
C	EMT200000000	MOTOR,GEAR				
D	EMT200000000	MOTOR,GEAR				
E	ESW055001100	DETECTOR SWITCH				

NO.	PART NO.	PART NAME	MATERIAL	COLOR/FINISH	Q'TY	REMARKS
9	MSC20000300	SCREW,TAP(PCBA,MAIN)	MS	NZ	3	T2PA+2.6X6.0X6.5
8	MPR31010000	COVER,BTM	SECC 0.6T		1	
7	EPB17000000	PCBA,MAIN			1	
6	MAY01000000	AY LOADING			1	
5	MSC20000300	SCREW,TAP(COVER,TOP)	MS	NZ	2	T2PA+2.6X6.0X6.5
4	MAY01000200	AY T/COVER			1	
3	MMU31000000	TRAY,DISC	PC+ABS,V2	BLK	1	V2
2	MSC20000200	SCREW,TAP(DAMPER)	MS	NZ	3	T2WS+1.7X5.0X8.0
1	MAY01000100	AY FEEDING				

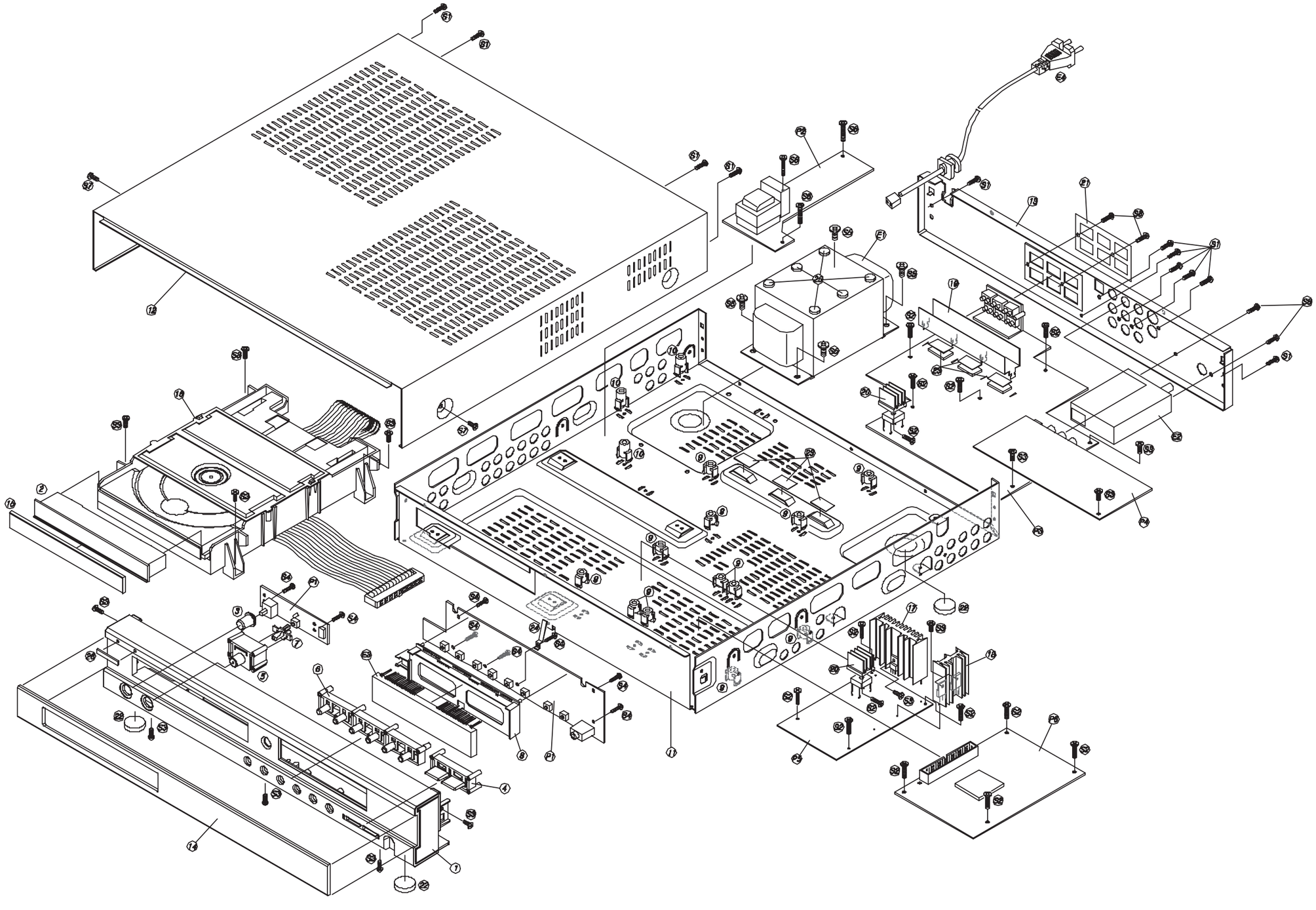
14. Exploded View and Mechanical Parts List

DHC-XD300



14. Exploded View and Mechanical Parts List

DHC-XD350



DAEWOO

Service Manual

Digital Home Cinema System

Model : DHC-XD300
DHC-XD350

DAEWOO ELECTRONICS CO., LTD.

DIGITAL HOME CINEMA SYSTEM

DHC-XD300
DHC-XD350

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  - 2) BOTTOM VIEW.
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- -. ELECTRICAL PARTS LIST

1. Safety Precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCKS
DO NOT OPEN

CAUTION : TO REDUCE THE RISK IF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULTED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

LASER SAFETY

THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION : POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
- The safety and operating instructions should be retained for future reference.
- All warnings on the appliance and in the operating instructions should be adhered to.
- All operating and use instructions should be followed.

1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.

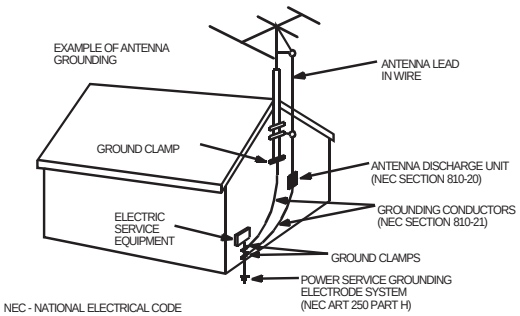
PORTABLE CART

Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by th manufacturer.
3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - If the appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.

1. Safety Precautions

13.Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-dis charge unit, size of grounding conductors,location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.


EXAMPLE OF ANTENNA GROUNDING
ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250 PART H)
NEC - NATIONAL ELECTRICAL CODE

14.Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15.Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16.Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

a) The power-supply cord or the plug has been damaged; or

b) Objects have fallen, or liquid has been spilled into the appliance; or

c) The appliance has been exposed to rain; or

d) The appliance does not appear to operate normally or exhibits a marked change in performance; or

e) The appliance has been dropped, or the enclosure damaged.

17.Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

2. Specifications

DHC-XD300/XD350

Power supply Voltage (Option)	AC 110V or 120V or 127V or 220V or 230V or 240V (50/60Hz)	**Power consumption**	Standby 2Watt Operating 80Watt
		Dimensions (W x D x H) / Weight	360 x 380 x 70mm/ 6.7 kg

Front Amp. Section

POWER OUTPUT at 1% THD(DIN)	At 1KHz, 8 ohms	30W
THD(Total Harmonic Distortion)	At 1KHz, 1W	0.1%
Input Sen. / Impedance @ 1KHz, 47K ohms	VIDEO, TV/AUX	200mV ¡ 30mV/47K
Output Level/Impedance @ 1KHz	Video Rec	200mV ¡ 30mV/2.2K
Frequency Response(Analogue)	at 1W : TV/AUX -3dB	20Hz~20KHz
S/N Ratio IHF-A Weighted	TV/AUX	70dB
Subwoofer Turnover Frequency		¡ ´120Hz
Channel Separation	TV/AUX:1KHz	65dB
Crosstalk	VIDEO -->TV/AUX	65dB
	TV/AUX--> VIDEO	65dB

Center Amp Section

POWER OUTPUT at 1% THD(DIN)	At 1KHz, 8 ohms	30W
TOTAL HARMONIC DISTORTION	At 1KHz, 1W	0.1%
S/N RATIO, IHF-A FILTER	10W	70dB
FRE. RESPONSE LARGE	1W	20Hz~20KHz
DOLBY MODE SMALL	1W	135Hz~18KHz

Rear Amp Section

POWER OUTPUT 1% THD(DIN)		At 1KHz, 8 ohms	30W
TOTAL HARMONIC DISTORTION		At 1KHz, 1W	0.1%
S/N RATIO	DOLBY	10W	70dB
FREQUENCY RESPONSE	LARGE	1W	20Hz~20KHz
(Dolby Digital)	SMALL	1W	135Hz~18KHz

Subwoofer Section

POWER OUTPUT at 10% THD	At 100Hz, 8 ohms	30W
FREQUENCY RESPONSE	1W	20Hz~150Hz
S/N RATIO, IHF-A Weight		60dB

Video Section

Input Sen./Impedance	Composite Video(Video)	1Vp-p/75 ohm	¡ 0.5 dB
Output Level/Impedance	Composite 75 ohm	1Vp-p/75 ohm	¡ 0.5 dB
	S-Video(Y/C) 75 ohm(DVD only)	1Vp-p/ 0.286Vp-p	¡ 0.5 dB
	Component Out(Y/ Cb/ Cr):Option	1Vp-p/0.7Vp-p/0.7Vp-p	¡ 0.5 dB
Frequency Response	Ref 500KHz		5Hz~5.7MHz
Crosstalk	@1MHz	45dB	40dB
S/N Ratio	DVD	60dB	

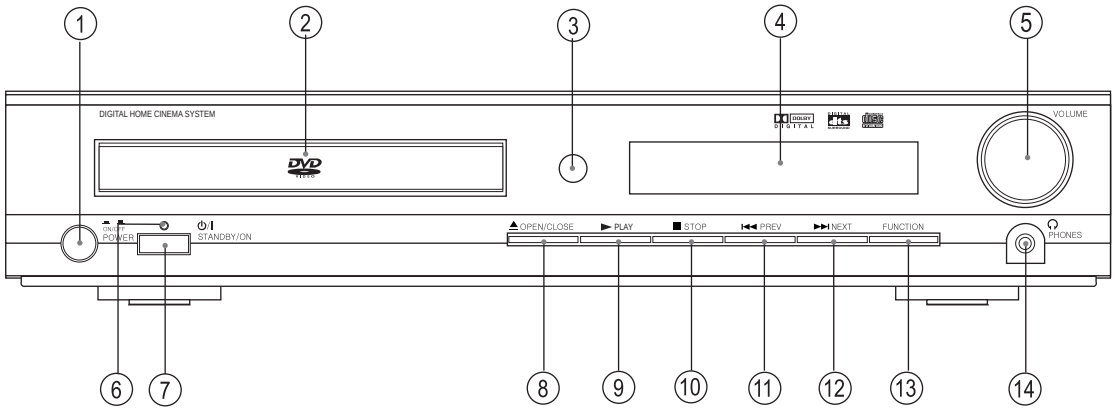
FM Tuner Section (FM ANT Impedance : 75 ohms)

Tuning Range	USA Version	87.5~108.0MHz
	Europe Version	87.5~108.0MHz
Scanning Frequency Interval	USA Version	100KHz
	Europe Version	50KHz
Usable Sensitivity, 75 ohms	S/N=30dB,USA Version	2uV(17.2dBf)
	S/N=26dB,Europe Version	3uV(20.8dBf)
S/N Ratio @1mV IHF-A FILTER	Mono USA Version	70dB
	Mono Europe Version	70dB
	Stereo USA Version	65dB
	Stereo Europe Version	63dB

3. Location of Users Controls

-. Front Panel

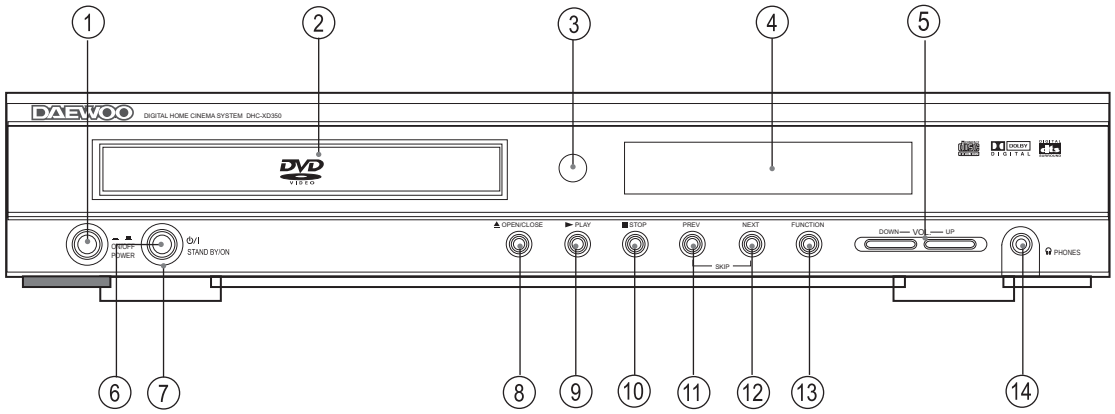
1) DHC-XD300



Front panel

1. POWER ON/OFF switch
2. DVD/VIDEO CD/MP3 CD/audio CD disc tray
3. Remote Control Sensor
4. Display
5. MASTER VOLUME control
6. STANDBY indicator
7. STANDBY/ON button
8. OPEN/CLOSE (▲) button
9. PLAY (►) button
10. STOP (■) button
11. PRE (⏮) button
12. NEXT (⏭) button
13. FUNCTION button
14. PHONES jack

2) DHC-XD350



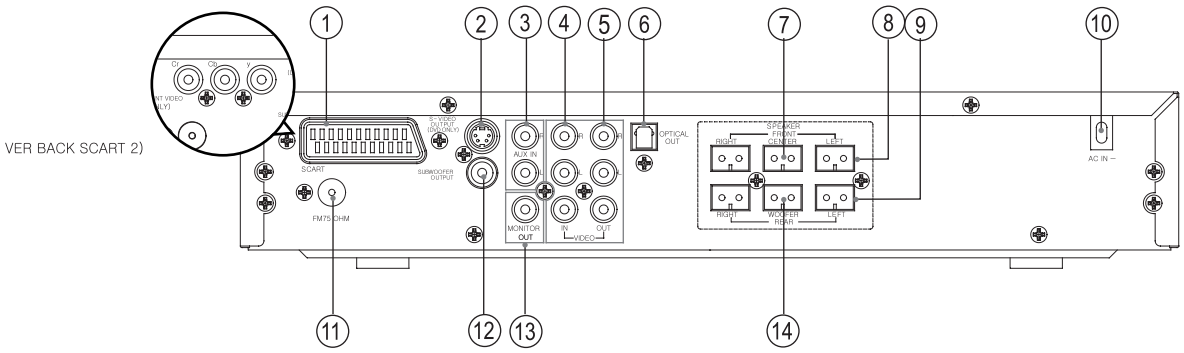
Front panel

1. POWER ON/OFF switch
2. DVD/VIDEO CD/MP3 CD/audio CD disc tray
3. Remote Control Sensor
4. Display
5. MASTER VOLUME control
6. STANDBY indicator
7. STANDBY/ON button
8. OPEN/CLOSE (▲) button
9. PLAY (►) button
10. STOP (■) button
11. PRE (⏮) button
12. NEXT (⏭) button
13. FUNCTION button
14. PHONES jack

3. Location of Users Controls

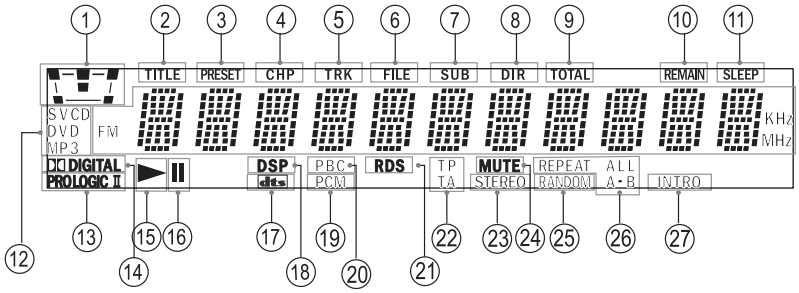
DHC-XD300/XD350

-. Rear Panel



1. COMPONENT VIDEO OUTPUT Y/Cb/Cr jacks or SCART jack(Optional)
2. S VIDEO MONITOR OUT jack
3. AUX IN jacks
4. VIDEO (IN) jack
5. VIDEO (OUT) jack
6. DIGITAL OUTPUT jack
7. CENTER SPEAKER connector
8. FRONT SPEAKER connector
9. REAR SPEAKER connector
10. Power cord
11. FM ANTENNA connector
12. SUBWOOFER output jack
13. MONITOR OUT jack
14. WOOFER connector

-. Display

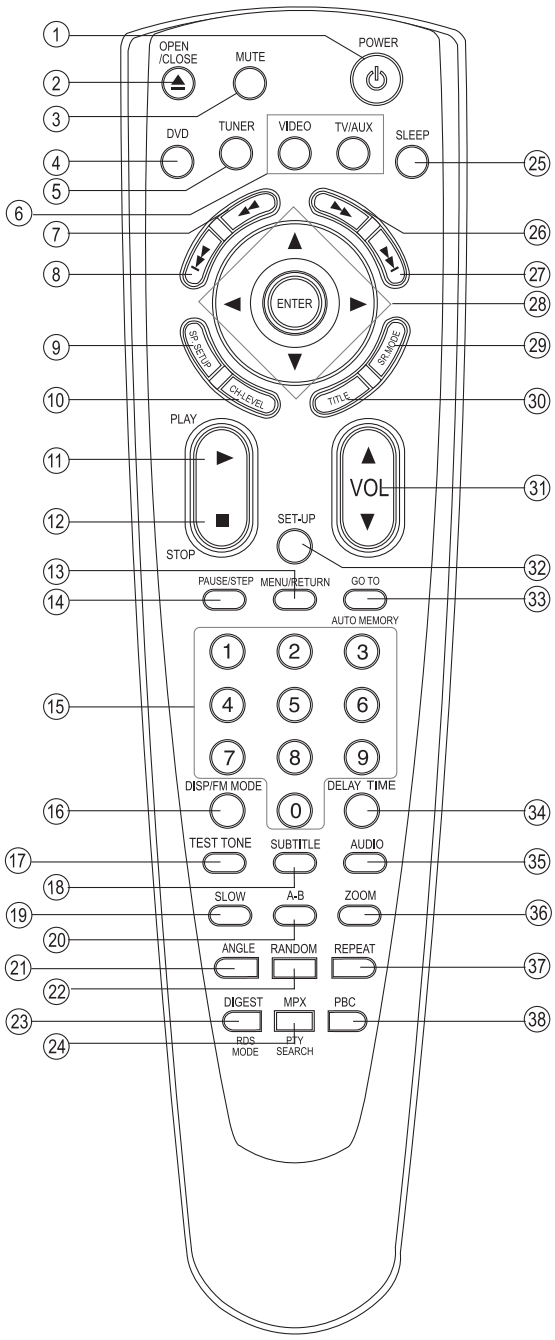


1. SPEAKER CONFIGURATION indicator
2. TITLE indicator
3. PRESET indicator
4. CHAPTER indicator
5. TRACK indicator
6. FILE indicator
7. SUB indicator
8. DIR indicator
9. TOTAL indicator
10. REMAIN indicator
11. SLEEP indicator
12. SOURCE indicator
13. PROLOGIC indicator
14. DOLBY DIGITAL indicator
15. PLAY indicator
16. PAUSE indicator
17. DTS indicator
18. DSP indicator
19. PCM indicator
20. PBC(Playback Control) indicator
21. RDS indicator
22. TA/TP indicator
23. STEREO indicator
24. MUTE indicator
25. RANDOM indicator
26. REPEAT indicator
27. INTRO indicator

3. Location of Users Controls

-. Remote Controller

DHC-XD300/XD350



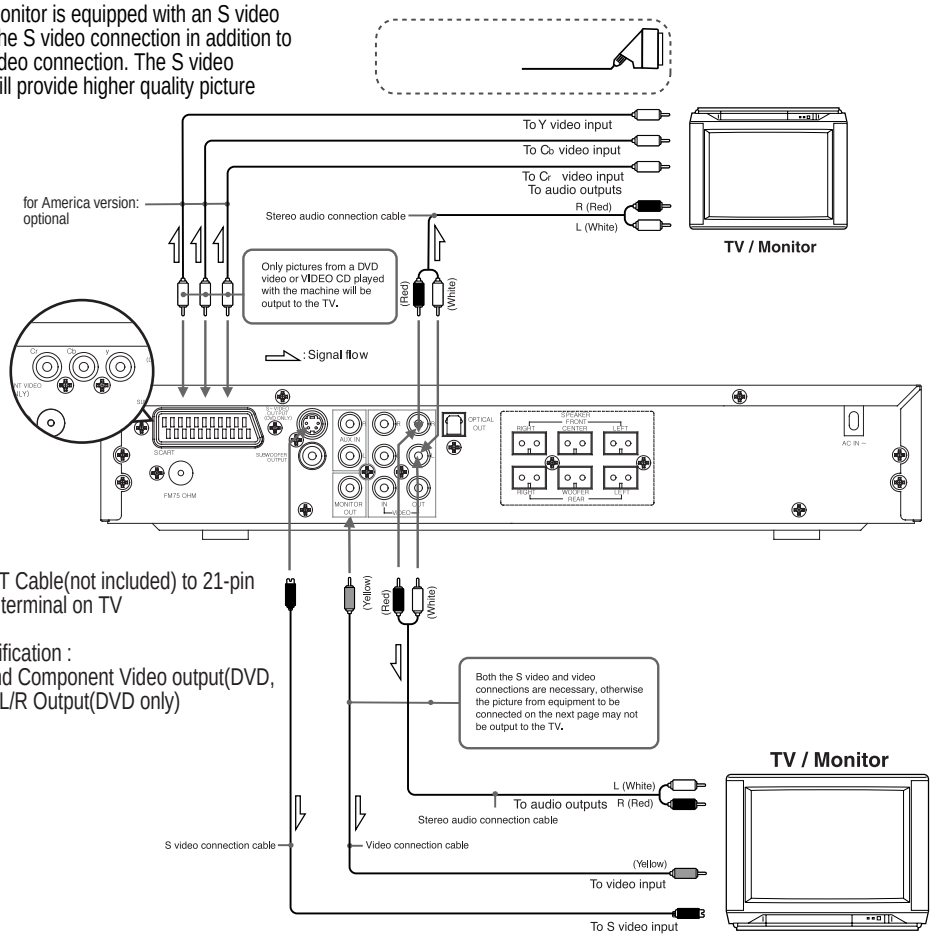
1. STANDBY/ON button
2. OPEN/CLOSE button
3. MUTE button
4. INPUT SELECTOR: DVD button
5. INPUT SELECTOR: TUNER button
6. INPUT SELECTOR: VIDEO, TV/AUX button
7. FAST REVERSE(FR) (◀◀) button
8. SKIP PREV (I◀◀) button
9. SPEAKER SETUP button
10. CH LEVEL button
11. PLAY (▶) button
12. STOP(■) button
13. MENU/RETURN button
14. PAUSE/STEP button
15. Number buttons
16. DISPLAY/FM MODE button
17. TEST TONE button
18. SUBTITLE button
19. SLOW button
20. A-B REPEAT button
21. ANGLE button
22. RANDOM button
23. DIGEST/RDS MODE button
24. MPX/PTY SEARCH button
25. SLEEP button
26. FAST FORWARD(FF) (▶▶) button
27. SKIP NEXT (▶▶I) button
28. MOVE ▲/▼/◀/▶/ENTER buttons
29. SURROUND MODE button
30. TITLE button
31. VOLUME ▲/▼ buttons
32. SET-UP button
33. GO TO/AUTO MEMORY button
34. DELAY TIME button
35. AUDIO button
36. ZOOM button
37. REPEAT button
38. PBC button

4. Connecting to Equipment

-. Connecting to TV

DHC-XD300/XD350

- If the TV or monitor is equipped with an S video input, make the S video connection in addition to the normal video connection. The S video connection will provide higher quality picture playback.

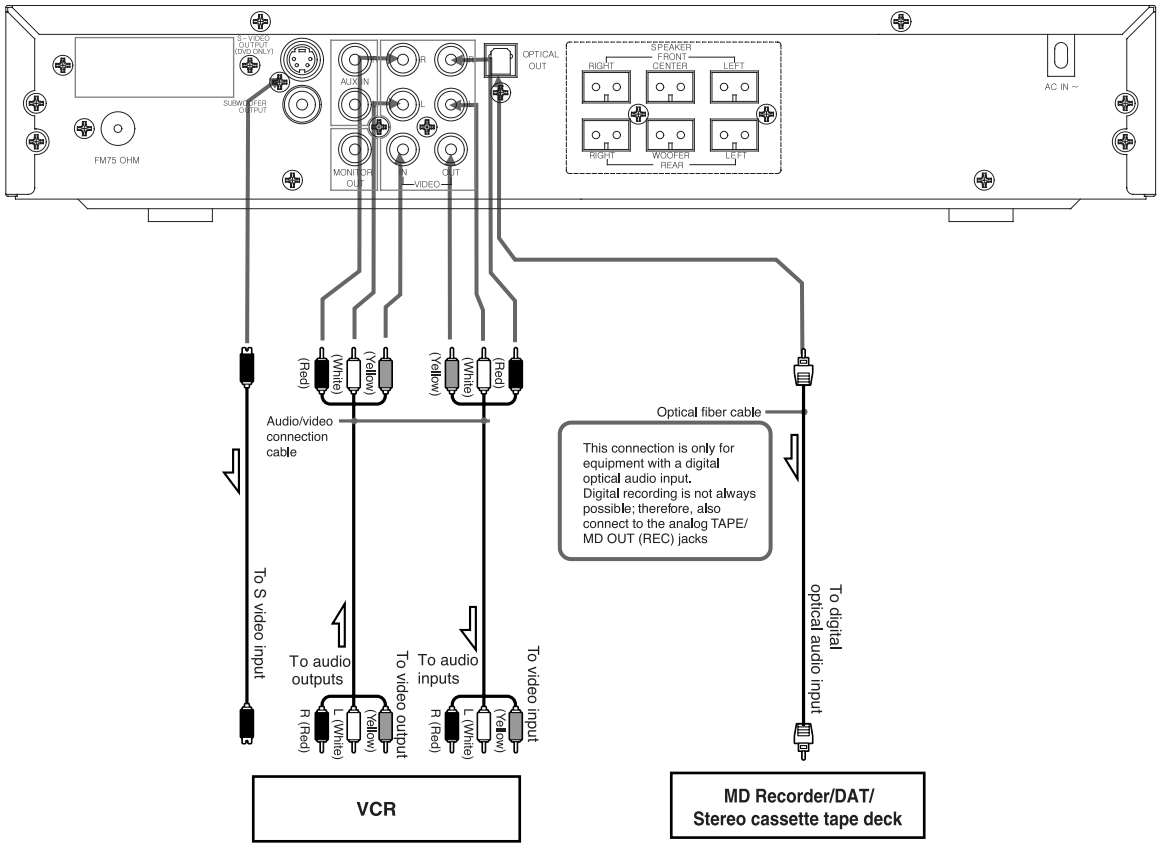


- 21-Pin SCART Cable(not included) to 21-pin SCART input terminal on TV
- SCART Specification : Composite and Component Video output(DVD, Video) Audio L/R Output(DVD only)

4. Connecting to Equipment

-. Connecting to AUDIO & VIDEO

DHC-XD300/XD350



4. Connecting to Equipment

-. Connecting to Speaker

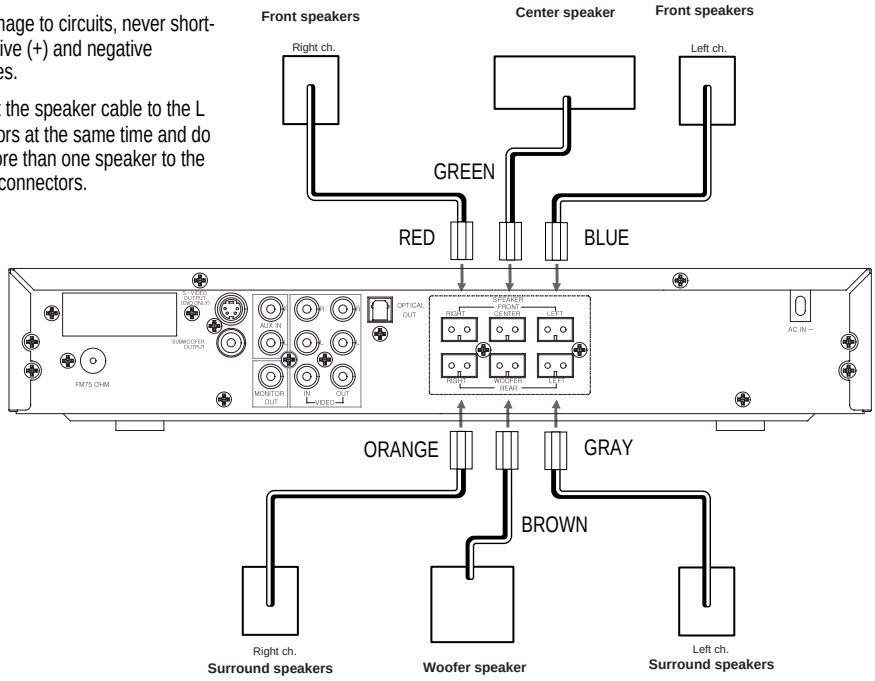
DHC-XD300/XD350

◆ **Before connecting**

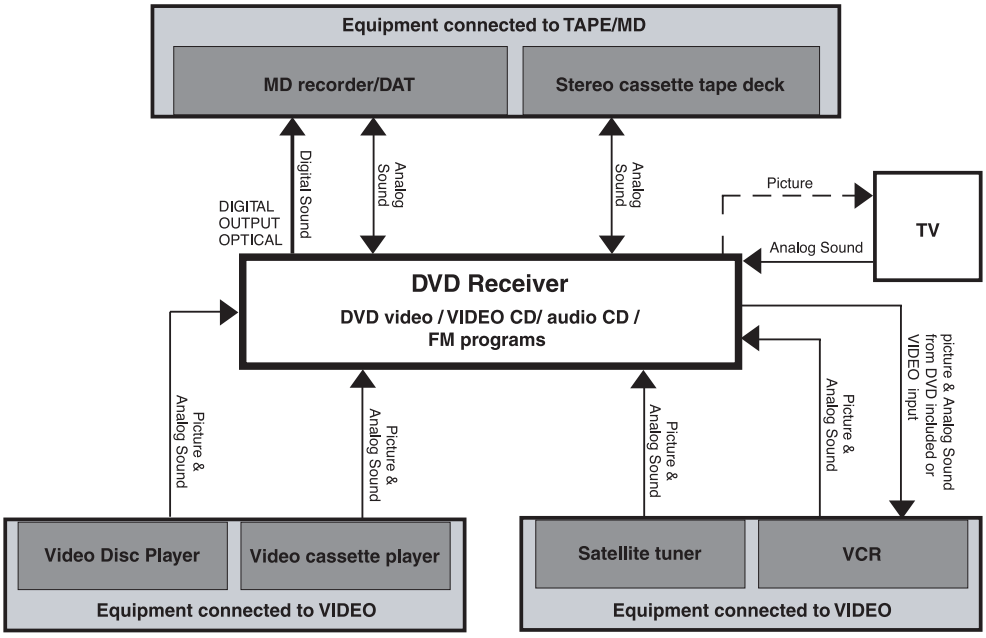
- Refer also to the instruction manuals of the speakers.
- This machine is designed to reproduce optimum sound quality when speakers with the specified impedance below are connected.Please check the following information and choose speakers with appropriate impedance for the connections.

Front speakers / Center speaker / Surround Speakers : 8 ohms min. per speaker
Subwoofer speaker : 8 ohm min

- To prevent damage to circuits, never short-circuit the positive (+) and negative (-) speaker wires.
- Do not connect the speaker cable to the L and R connectors at the same time and do not connect more than one speaker to the same speaker connectors.



-. Connecting to Recording Equipment

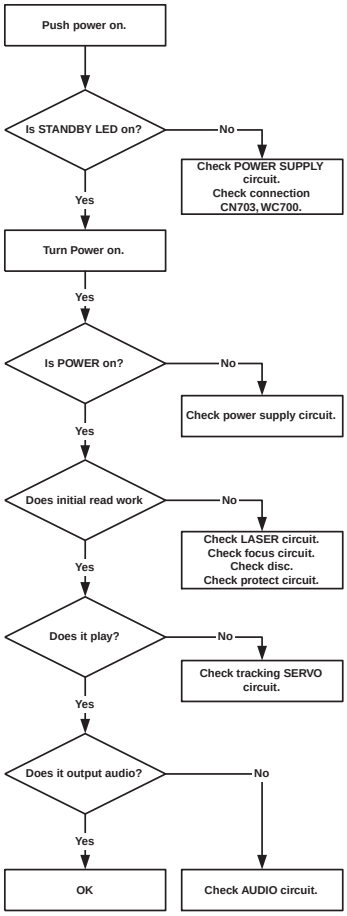


5. Trouble Shooting Guide

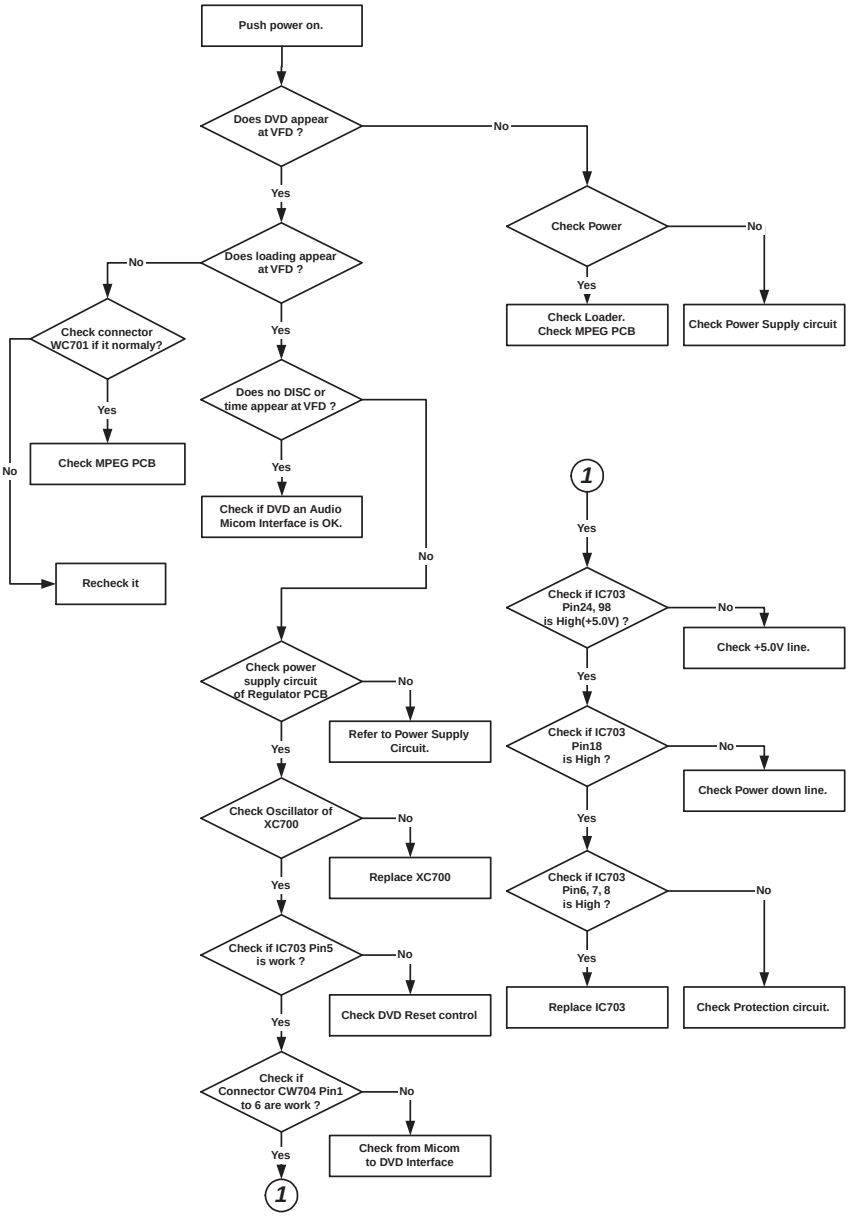
-. Audio Part

DHC-XD300/XD350

1. Basic Operating



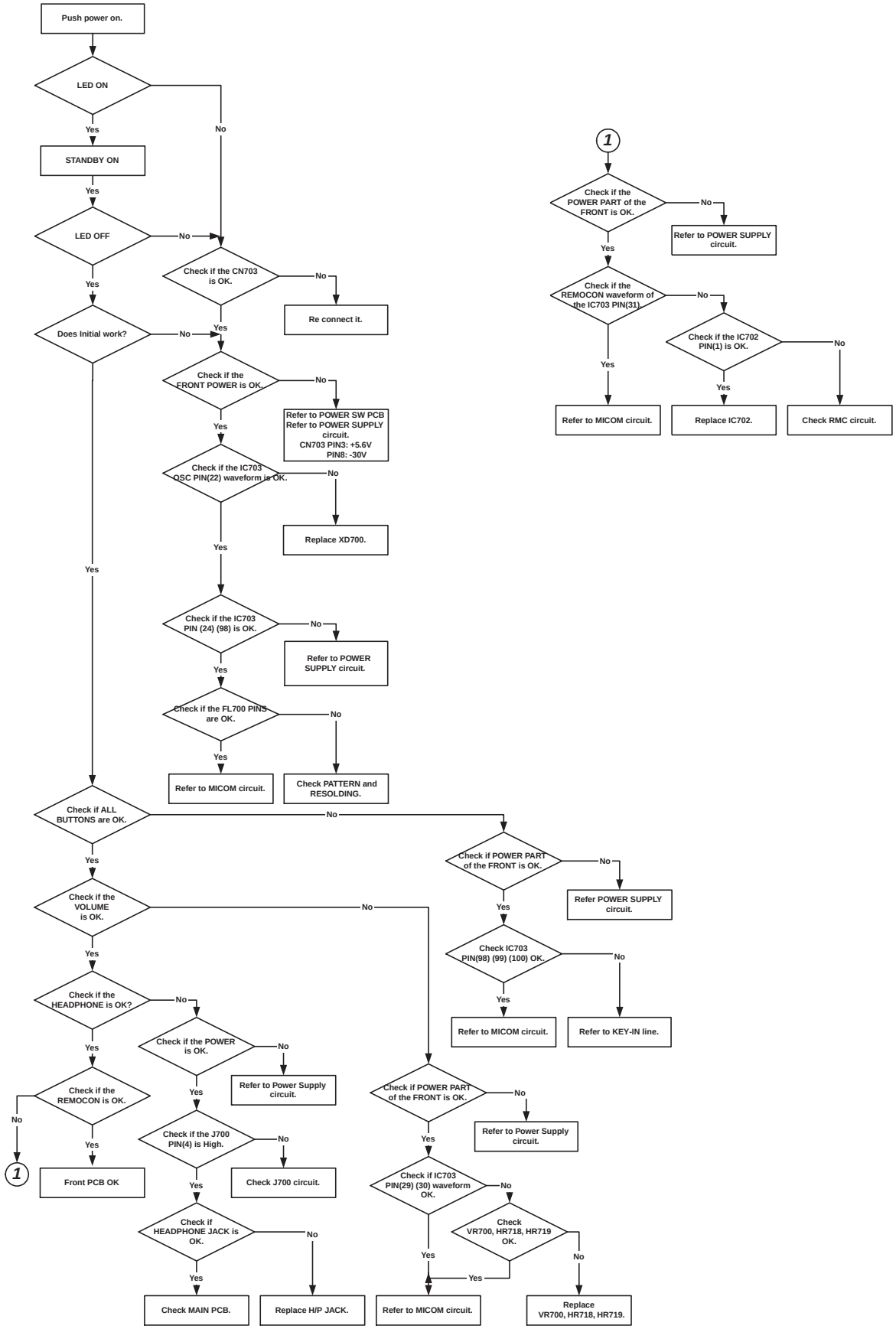
2. Front Micom Circuit



5. Trouble Shooting Guide

-. Front Circuit

DHC-XD300/XD350

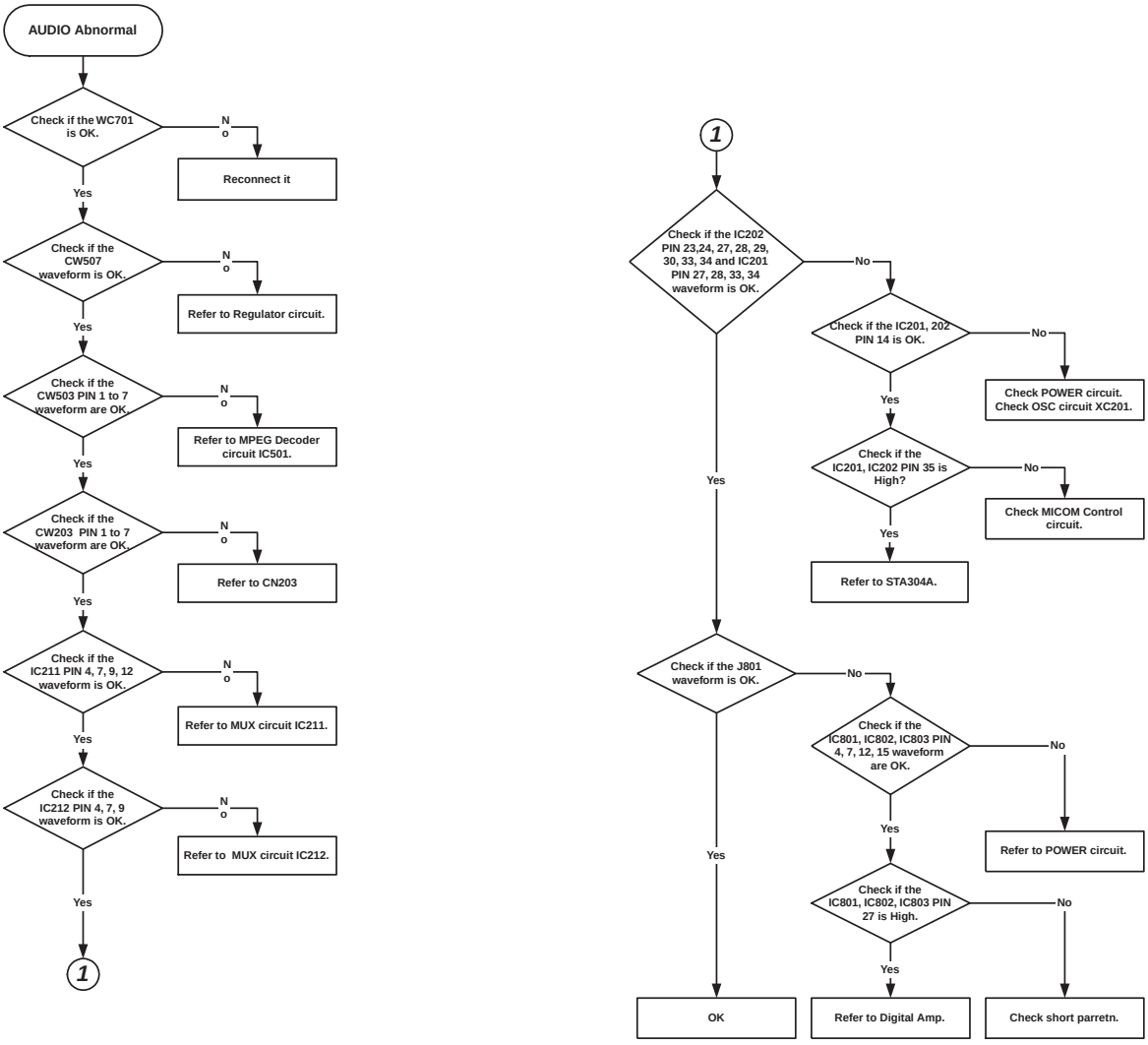


5. Trouble Shooting Guide

-. Audio Part

DHC-XD300/XD350

1. DVD Abnormal(w/o DSP)

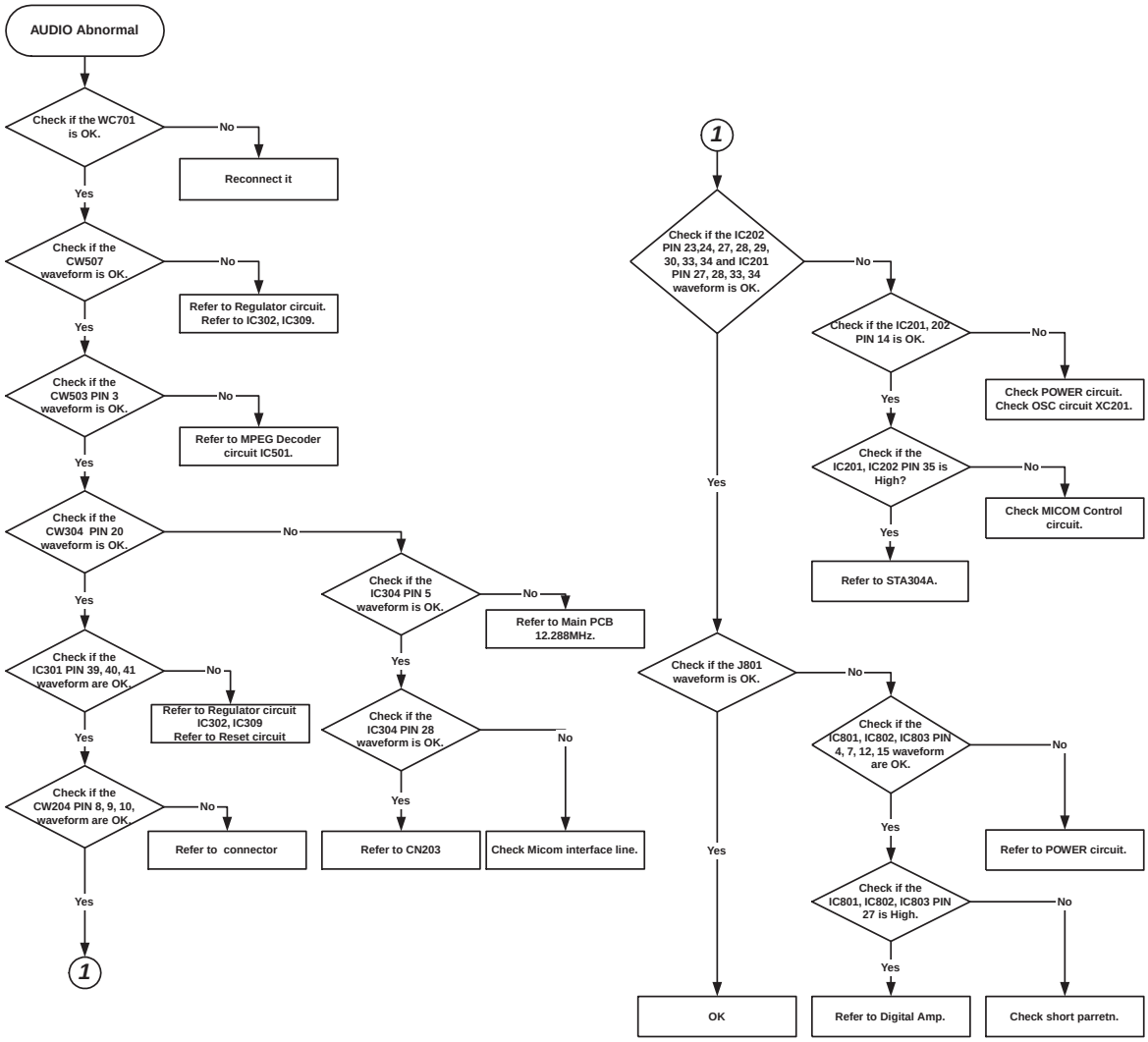

AUDIO Abnormal
Check if the WC701 is OK.
No
Reconnect it
Yes
Check if the CW507 waveform is OK.
No
Refer to Regulator circuit.
Yes
Check if the CW503 PIN 1 to 7 waveform are OK.
No
Refer to MPEG Decoder circuit IC501.
Yes
Check if the CW203 PIN 1 to 7 waveform are OK.
No
Refer to CN203
Yes
Check if the IC211 PIN 4, 7, 9, 12 waveform is OK.
No
Refer to MUX circuit IC211.
Yes
Check if the IC212 PIN 4, 7, 9 waveform is OK.
No
Refer to MUX circuit IC212.
Yes
1
1
Check if the IC202 PIN 23,24, 27, 28, 29, 30, 33, 34 and IC201 PIN 27, 28, 33, 34 waveform is OK.
No
Check if the IC201, 202 PIN 14 is OK.
No
Check POWER circuit. Check OSC circuit XC201.
Yes
Check if the IC201, IC202 PIN 35 is High?
No
Check MICOM Control circuit.
Yes
Refer to STA304A.
Yes
Check if the J801 waveform is OK.
No
Check if the IC801, IC802, IC803 PIN 4, 7, 12, 15 waveform are OK.
No
Refer to POWER circuit.
Yes
Check if the IC801, IC802, IC803 PIN 27 is High.
No
Check short parretn.
Yes
Refer to Digital Amp.
Yes
OK

5. Trouble Shooting Guide

-. Audio Part

DHC-XD300/XD350

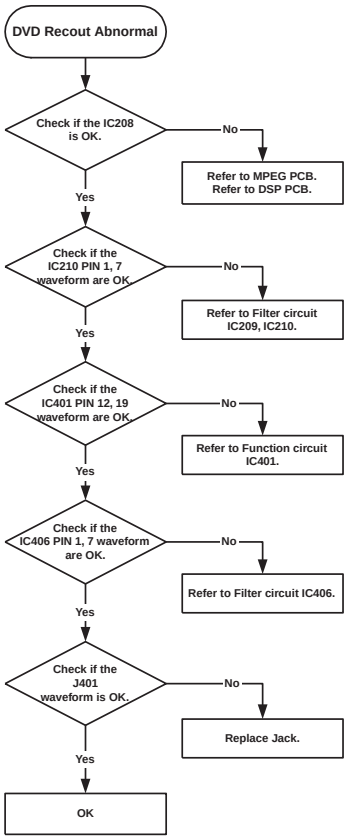
2. DVD Abnormal(with DSP)

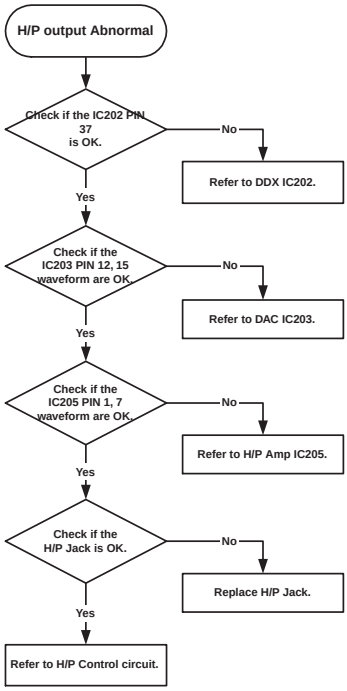

AUDIO Abnormal
Check if the WC701 is OK.
No
Reconnect it
Yes
Check if the CW507 waveform is OK.
No
Refer to Regulator circuit. Refer to IC302, IC309.
Yes
Check if the CW503 PIN 3 waveform is OK.
No
Refer to MPEG Decoder circuit IC501.
Yes
Check if the CW304 PIN 20 waveform is OK.
No
Check if the IC304 PIN 5 waveform is OK.
No
Refer to Main PCB 12.288MHz.
Yes
Check if the IC301 PIN 39, 40, 41 waveform are OK.
No
Refer to Regulator circuit IC302, IC309 Refer to Reset circuit
Yes
Check if the IC304 PIN 28 waveform is OK.
No
Yes
Check if the CW204 PIN 8, 9, 10, waveform are OK.
No
Refer to connector
Refer to CN203
Check Micom interface line.
Yes
1
1
Check if the IC202 PIN 23,24, 27, 28, 29, 30, 33, 34 and IC201 PIN 27, 28, 33, 34 waveform is OK.
No
Check if the IC201, 202 PIN 14 is OK.
No
Check POWER circuit. Check OSC circuit XC201.
Yes
Check if the IC201, IC202 PIN 35 is High?
No
Check MICOM Control circuit.
Yes
Refer to STA304A.
Yes
Check if the J801 waveform is OK.
No
Check if the IC801, IC802, IC803 PIN 4, 7, 12, 15 waveform are OK.
No
Refer to POWER circuit.
Yes
Check if the IC801, IC802, IC803 PIN 27 is High.
No
Yes
Yes
OK
Refer to Digital Amp.
Check short parretn.

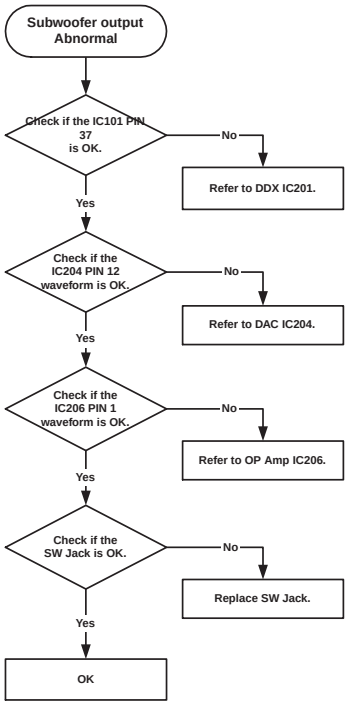
5. Trouble Shooting Guide

-. Audio Part

DHC-XD300/XD350



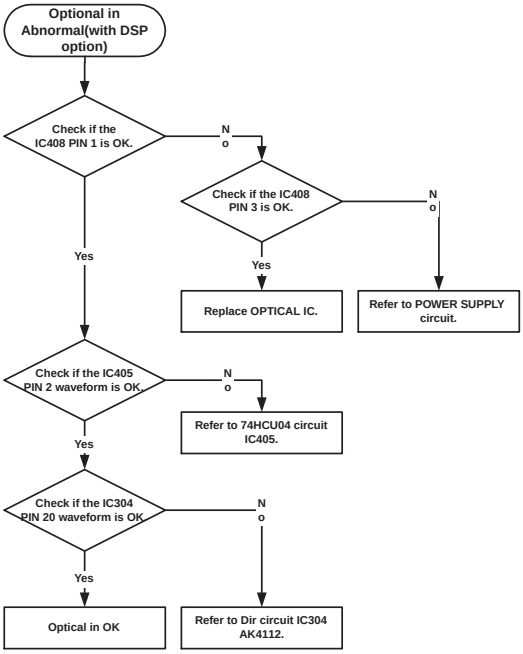


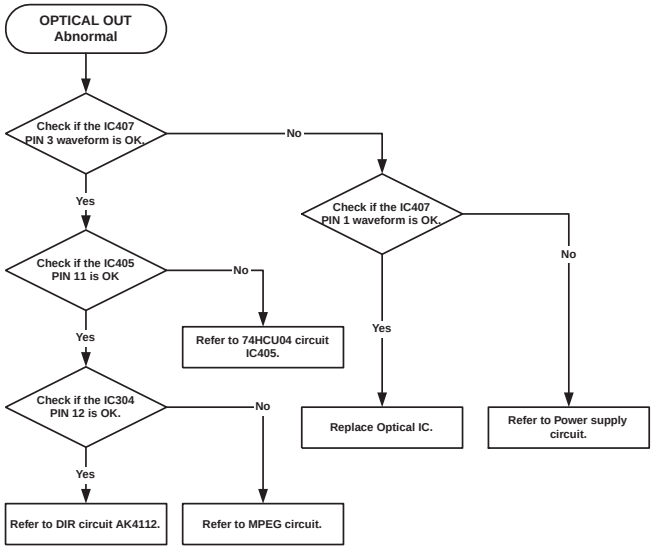


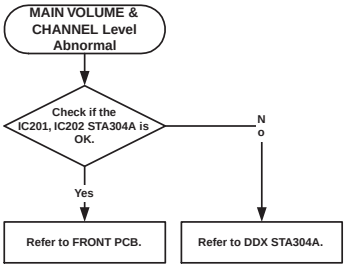
5. Trouble Shooting Guide

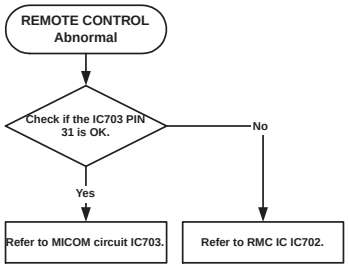
-. Audio Part

DHC-XD300/XD350





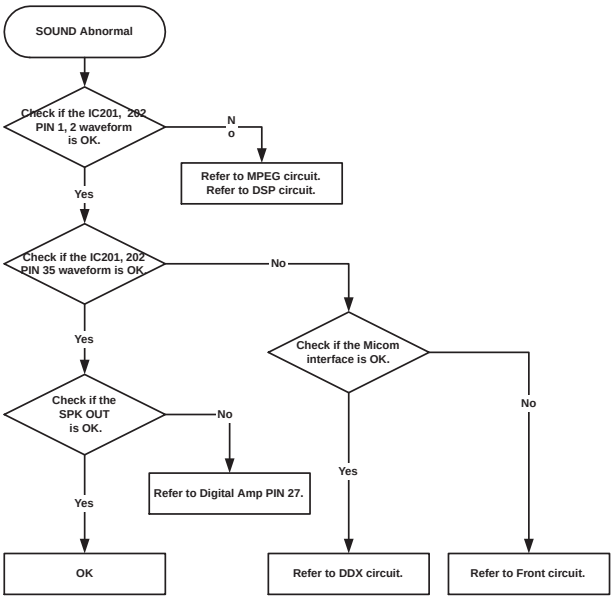


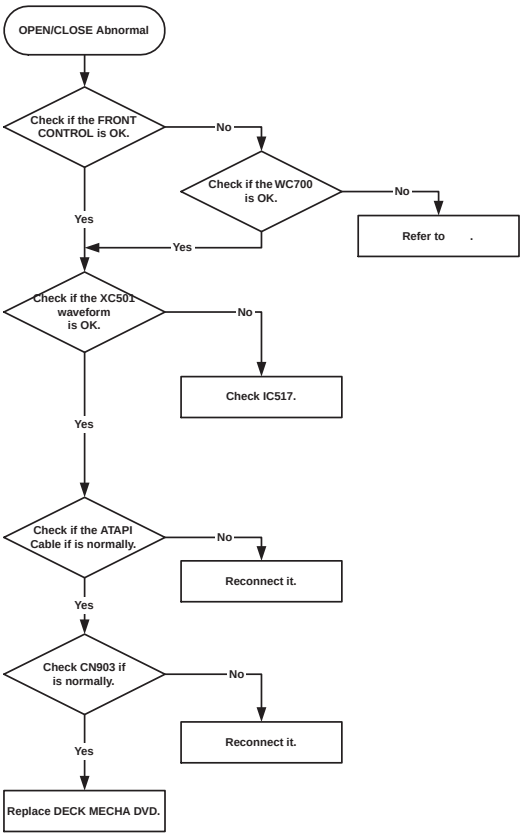


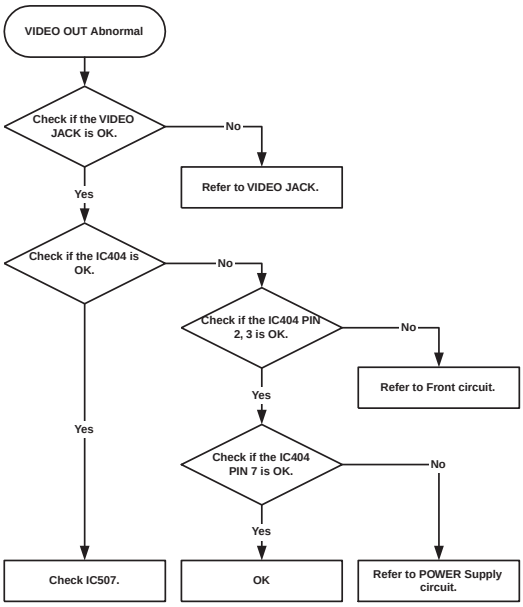
5. Trouble Shooting Guide

-. Audio Part

DHC-XD300/XD350



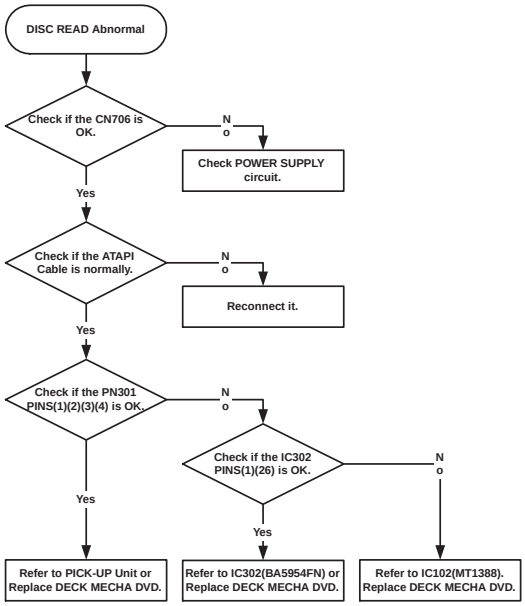


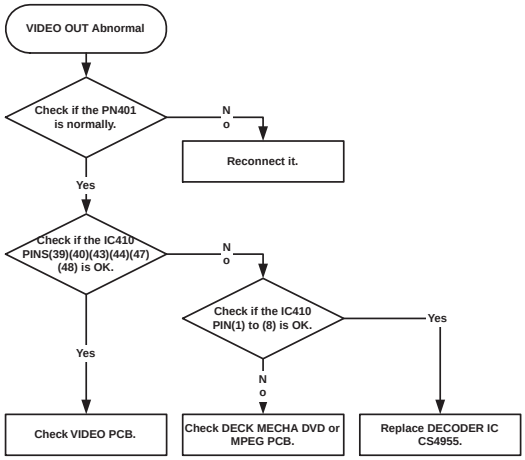


5. Trouble Shooting Guide

-. Audio Part

DHC-XD300/XD350





6. DVD Program Download Method

DHC-XD300/XD350

INSERT THE UPDATE DISC INTO THE DISC TRAY, THEN THE DVD RECEIVER READS THE DISC AND UPDATE THE FIRMWAFE ITSELF AS FOLLOWINGS.

@ INSERT THE UPDATE DISC. "Bank 30. Rom"

NO	STATUS	VFD	MONITOR	SET CONDITION
1	STARTING UPDATE	LOADING	LOADING	DOOR CLOSE
2	DETECT THE UPDATE DISC	STOP MP3	BANK30. ROM	DOOR CLOSE
3	READ THE DISC	STOP MP3	WRITING	DOOR CLOSE
4	COMPLETED THE READ	STOP MP3	DONE	DOOR CLOSE
5	COMPLETED THE UPDATE	STOP MP3		DOOR OPEN 1)
6	END	DISPLAY	LOADING	DOOR CLOSE : 1) 4 SEC

NOTE :

1) AFTER DOOR OPEN, EJECT THE UPDATE DISC.
2) AFTER COMPLETED, POWER OUT AND IN AGAIN.

CAUTION :

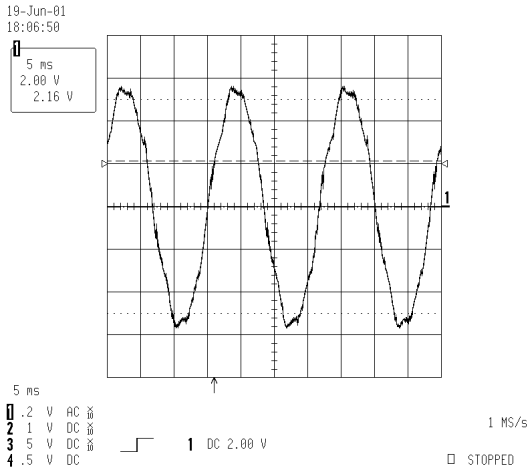
WHILE DOOR OPEN, IF CD DOOR IS CLOSED BY TOUCH, OR POWER BUTTON IS PRESSED THEN FLASH MEMORY WILL BE ERASED.

7. Waveforms of Major Check Method

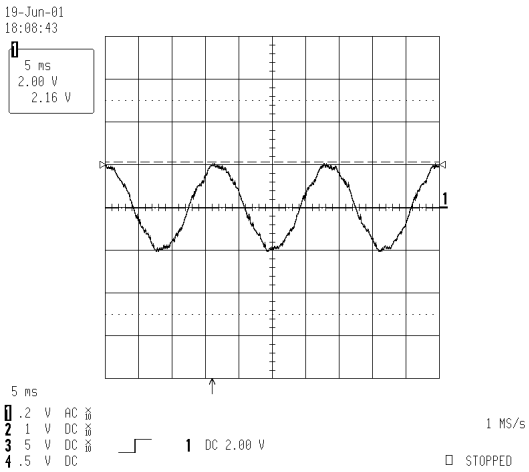
DHC-XD300/XD350

※ TEST POINT : DVD TEST DISC "MDVD-W111 TRACK2 COLOR BAR"

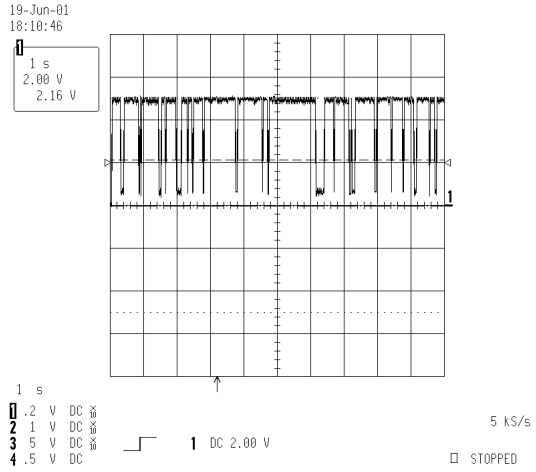
-. Audio Out Signal Waveform



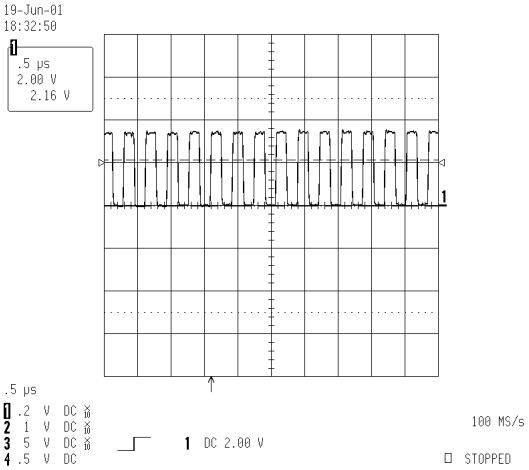
-. DAC Output Signal Waveform



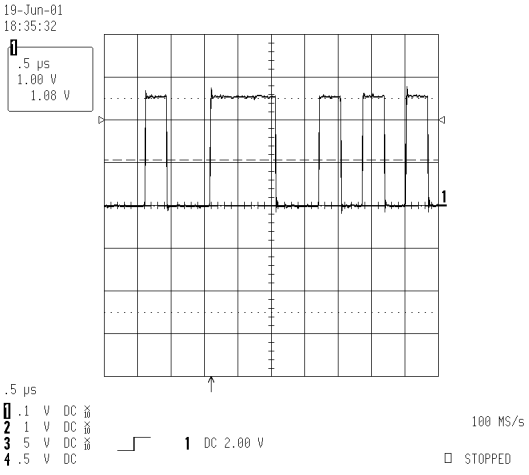
-. Optical Output Audio Data Signal waveform



-. L/R Clock Data Waveform During Normal Play



-. Serial Data Output Waveform During Normal Play

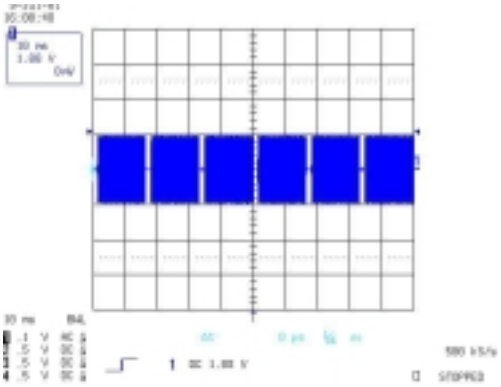


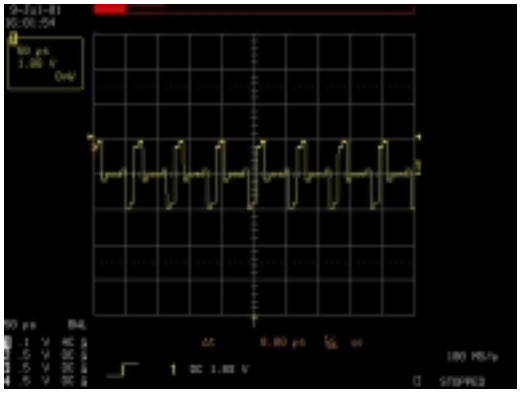
7. Waveforms of Major Check Method

DHC-XD300/XD350

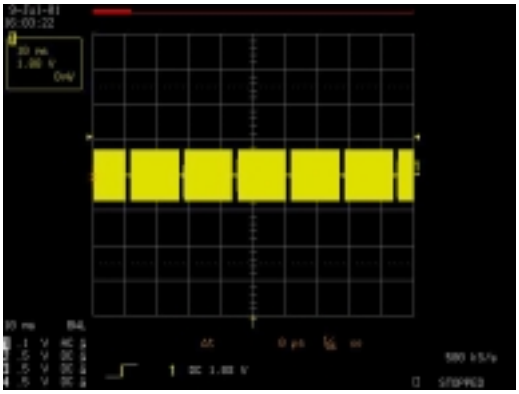
※ TEST POINT : DVD TEST DISC " MDVD-W111 TRACK2 COLOR BAR"

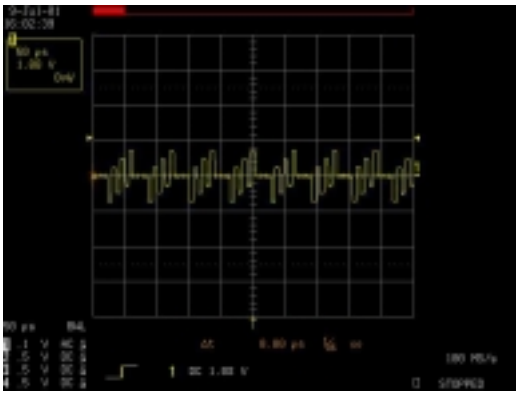
-. Cr Output Data Waveform in Component Output



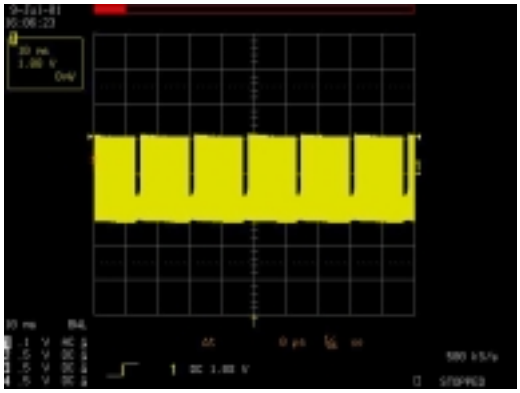


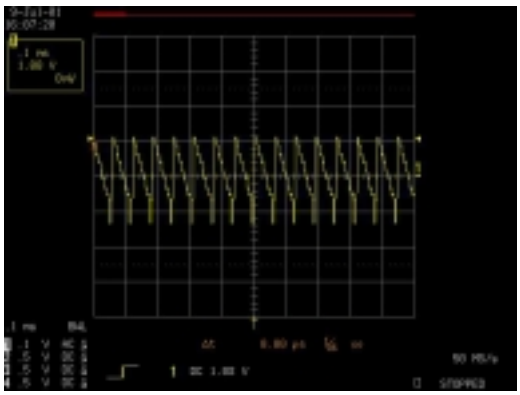
-. Cb Output Data Waveform in Component Output





-. Y Output Data Waveform in Component Output

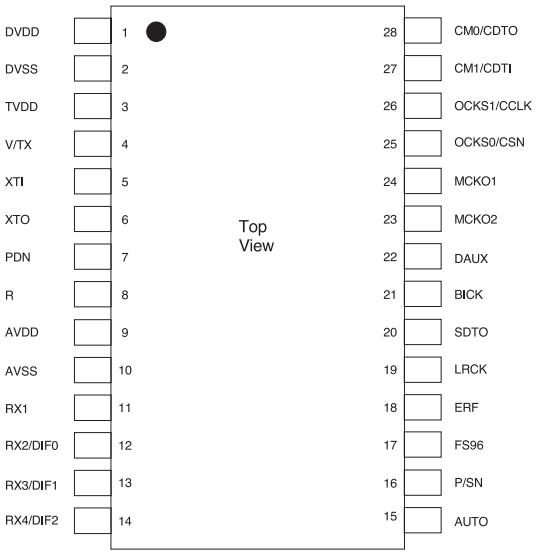


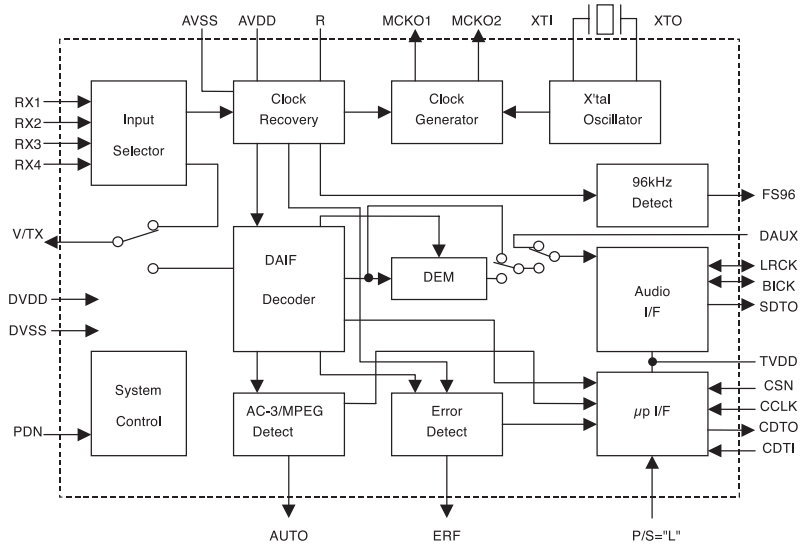


8. Internal Block Diagram of ICs

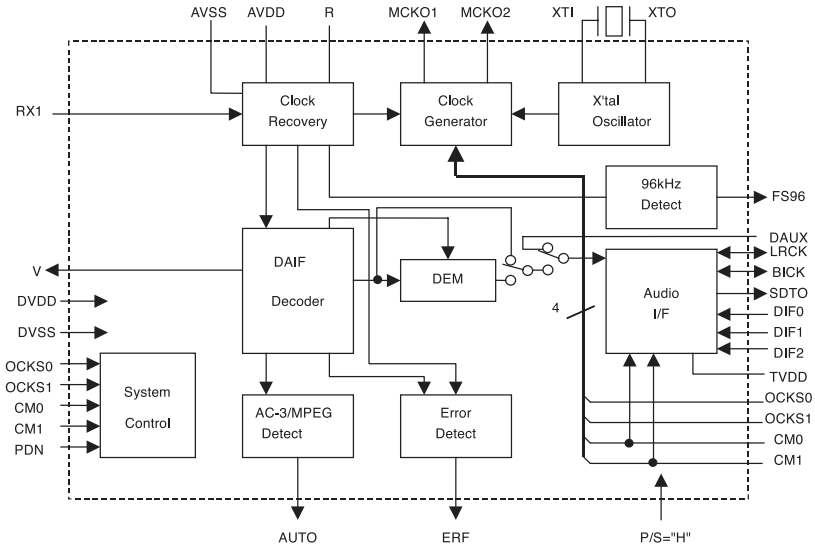
DHC-XD300/XD350

• AK-4112A





Serial Control Mode

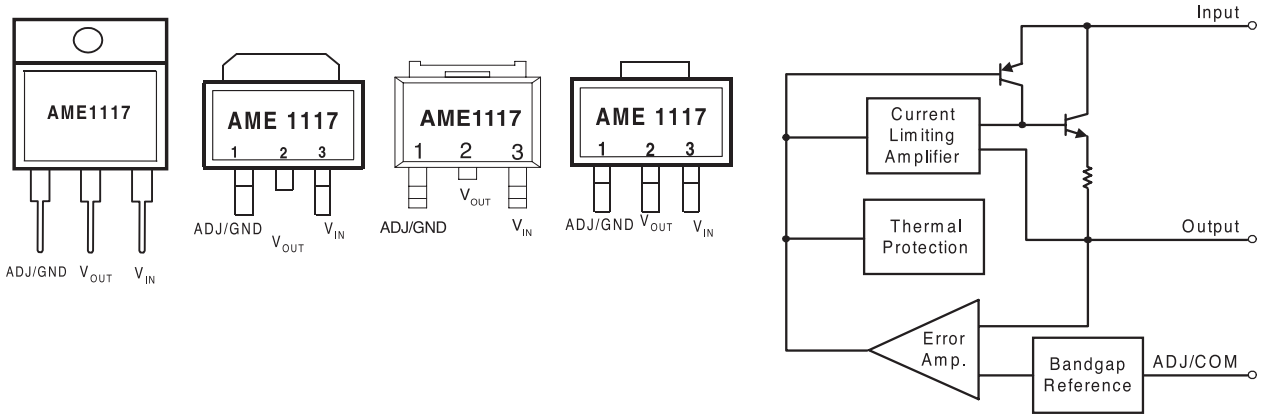


Parallel Control Mode

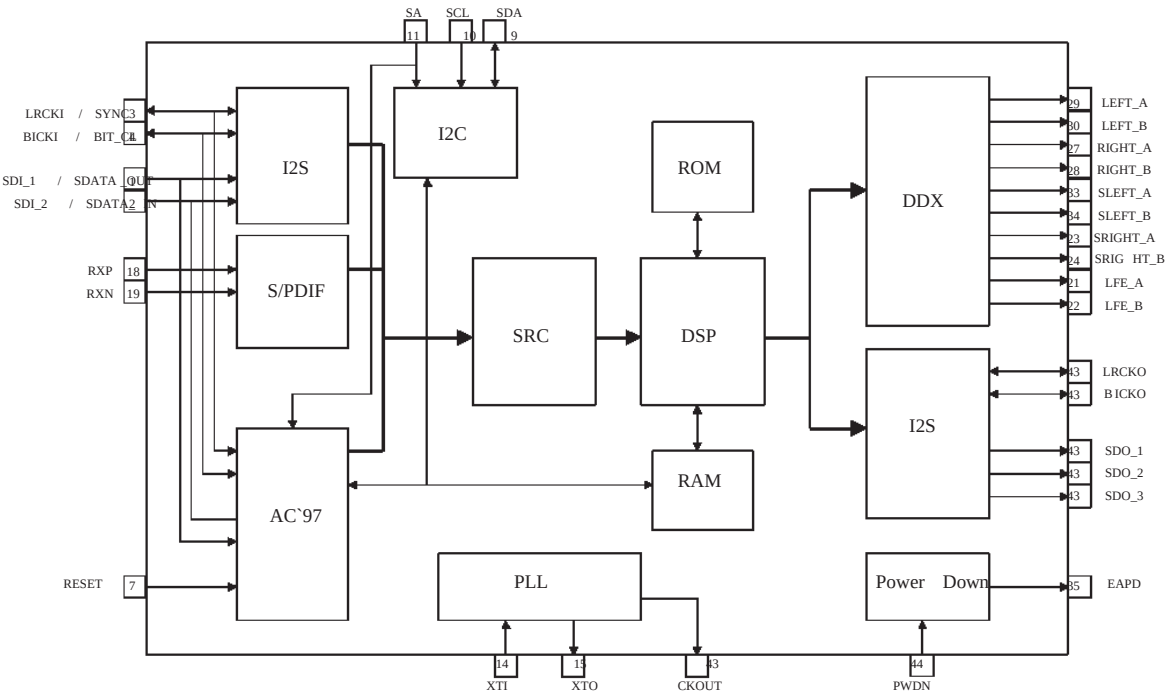
8. Internal Block Diagram of ICs

DHC-XD300/XD350

• AME1117



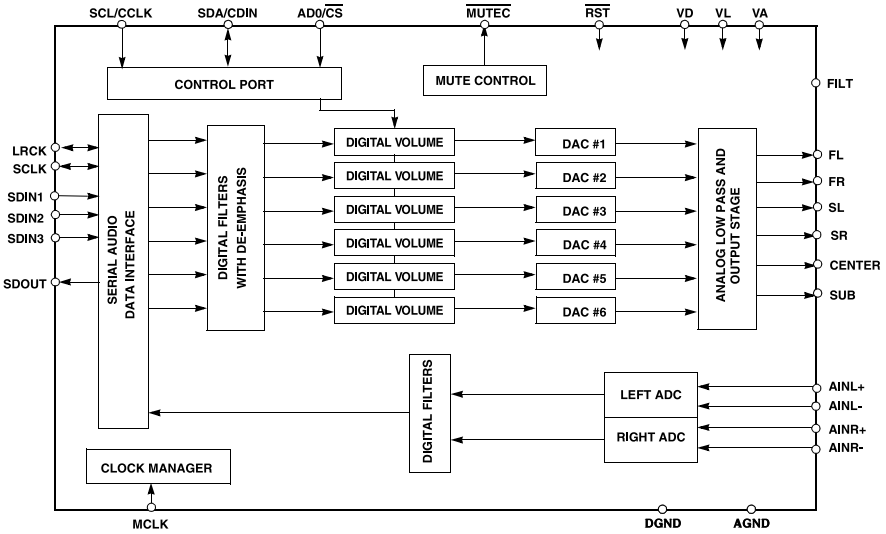
• STA304A



8. Internal Block Diagram of ICs

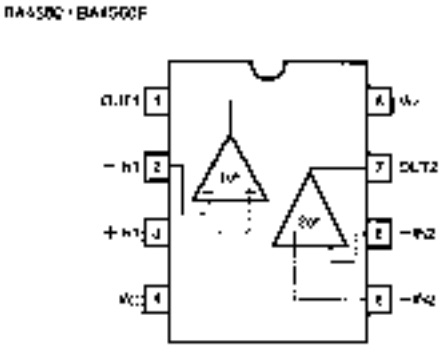
DHC-XD300/XD350

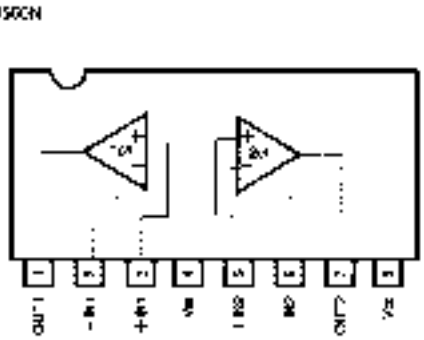
• CS4228A



Serial Audio Data In 3	**SDIN3**	1	28	**SUB**	Analog Out #6,Subwoofer
Serial Audio Data In 2	**SDIN2**	2	27	**CENTER**	Analog Out #5, Center
Serial Audio Data In 1	**SDIN1**	3	26	**SR**	Analog Out #4, Surround Right
Serial Audio Data Out	**SDOUT**	4	25	**SL**	Analog Out #3, Surround Left
Serial Clock	**SCLK**	5	24	**FR**	Analog Out #2, Front Right
Left/Right Clock	**LRCK**	6	23	**FL**	Analog Out #1, Front Left
Digital Ground	**DGND**	7	22	**AGND**	Analog Ground
Digital Power	**VD**	8	21	**VA**	Analog Power
Digital Interface Power	**VL**	9	20	**AINL+**	Left Channel Analog Input+
Master Clock	**MCLK**	10	19	**AINL-**	Left Channel Analog Input-
SCL/CCLK	**SCL/CCLK**	11	18	**FILT**	Internal Voltage Filter
SDA/CDIN	**SDA/CDIN**	12	17	**AINR-**	Right Channel Analog Input-
AD0/$\overline{CS}$	**AD0/$\overline{CS}$**	13	16	**AINR+**	Right Channel Analog Input+
Reset	**RST**	14	15	**MUTEC**	Mute Control

• BA4560F

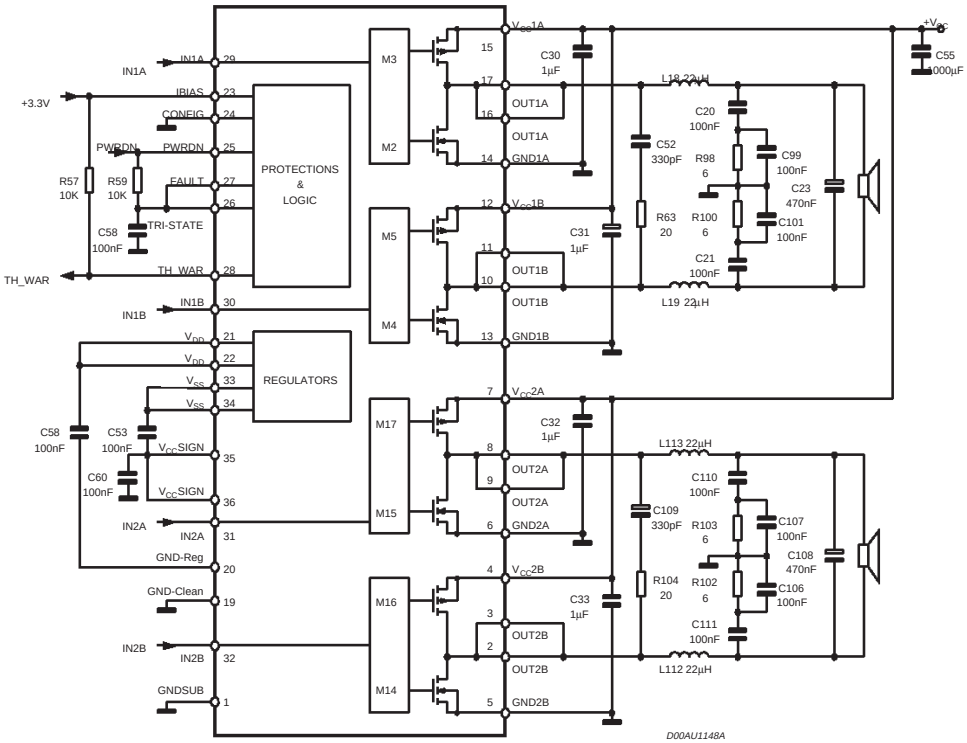




8. Internal Block Diagram of ICs

DHC-XD300/XD350

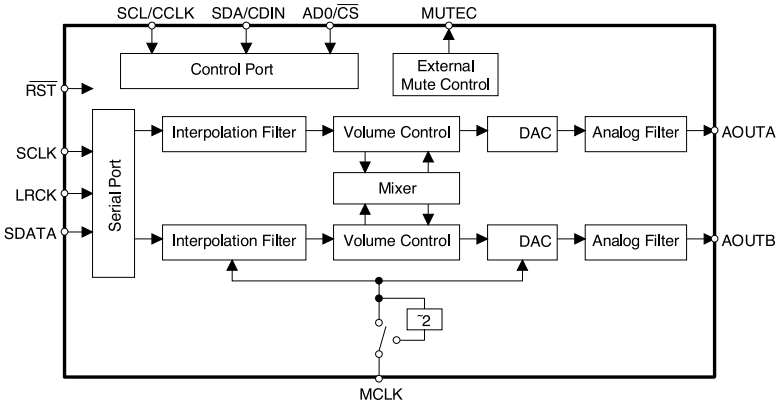
• STA500

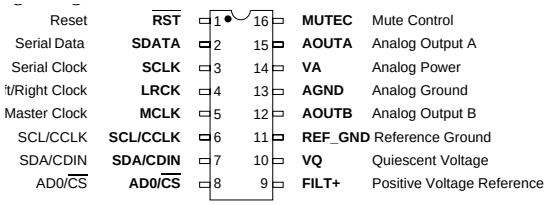


8. Internal Block Diagram of ICs

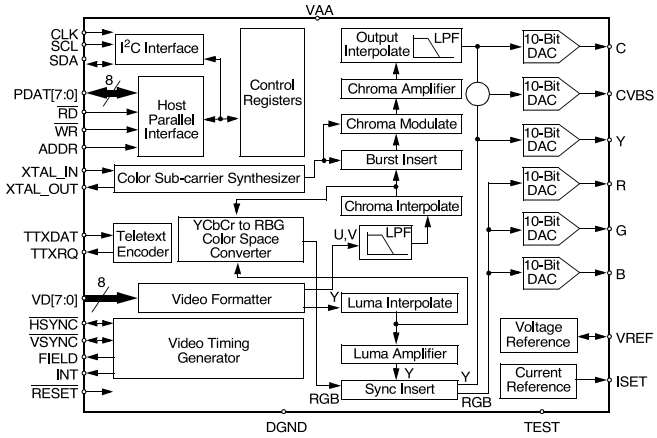
DHC-XD300/XD350

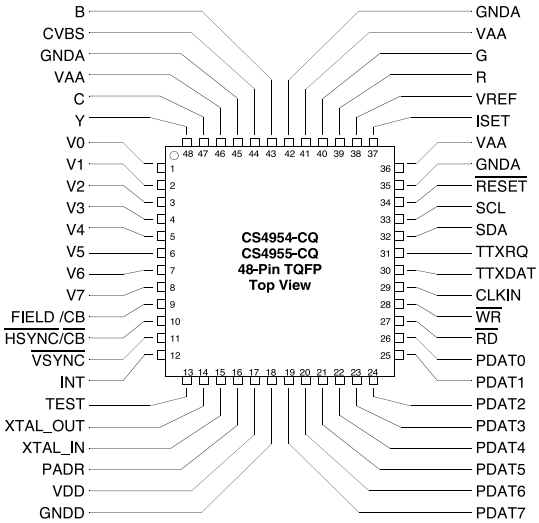
• CS4341



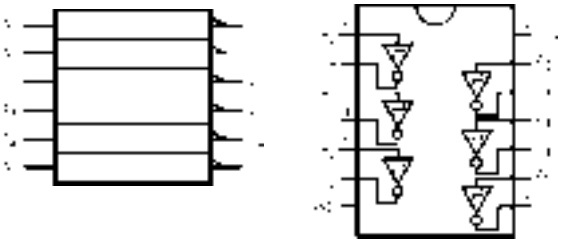

Reset RST 1 16 MUTEC Mute Control
Serial Data SDATA 2 15 AOUTA Analog Output A
Serial Clock SCLK 3 14 VA Analog Power
t/Right Clock LRCK 4 13 AGND Analog Ground
Master Clock MCLK 5 12 AOUTB Analog Output B
SCL/CCLK SCL/CCLK 6 11 REF_GND Reference Ground
SDA/CDIN SDA/CDIN 7 10 VQ Quiescent Voltage
AD0/CS AD0/CS 8 9 FILT+ Positive Voltage Reference

• CS4955

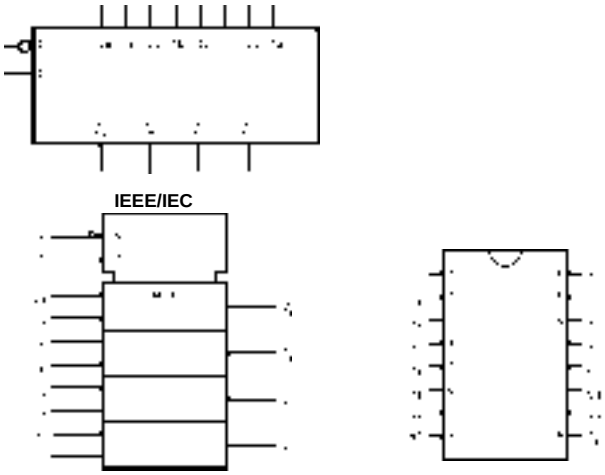




• 74VHC14



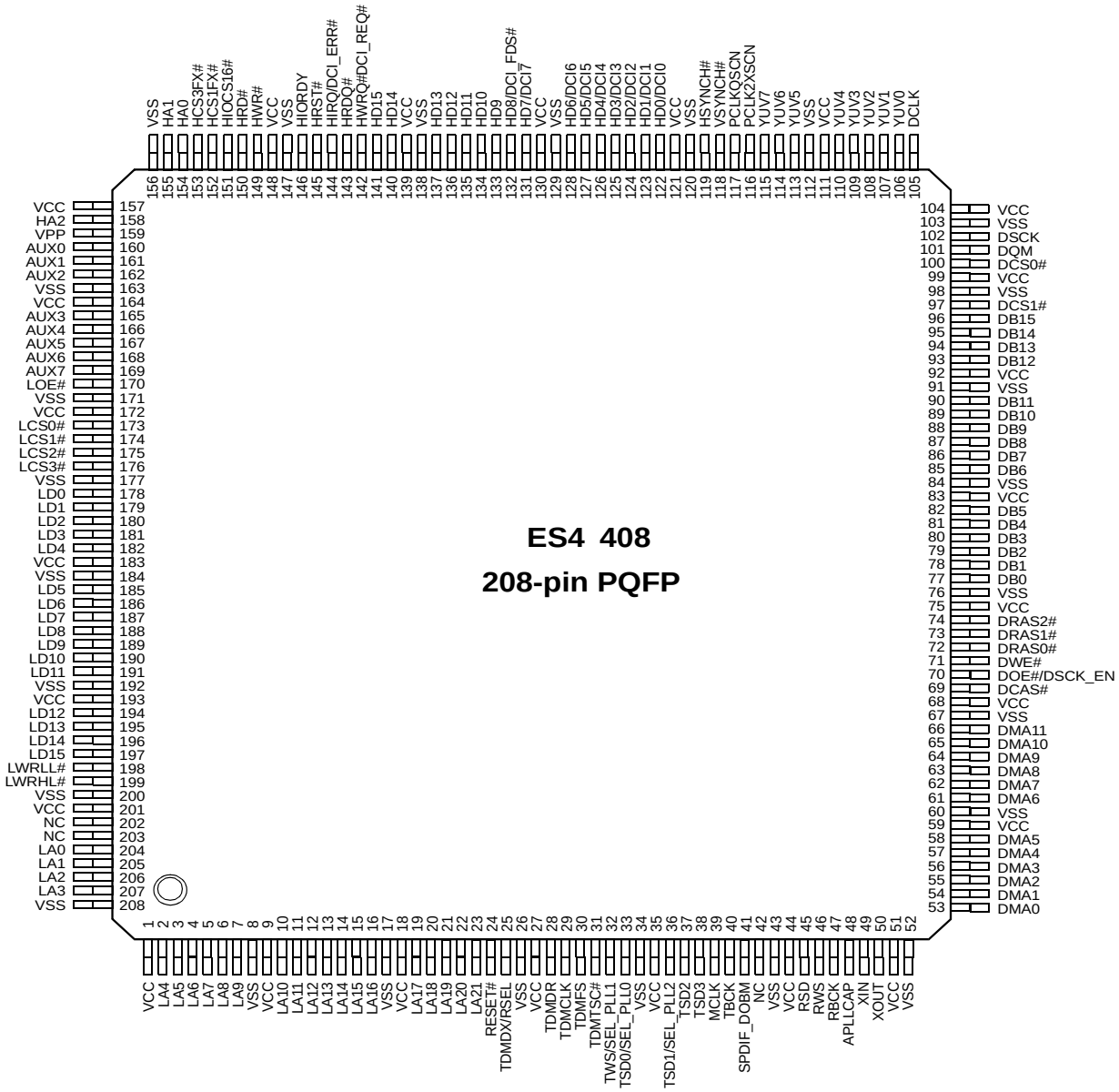
• 74VHC157



8. Internal Block Diagram of ICs

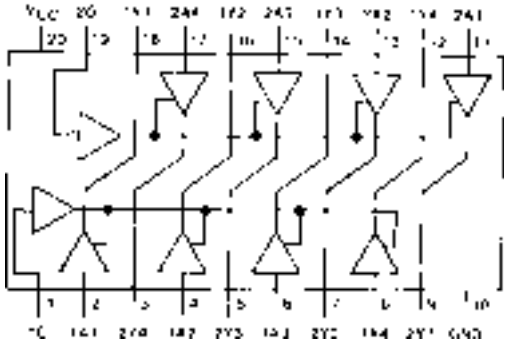
DHC-XD300/XD350

- ES4408



- 74HC244

Connection Diagram



Top View

Truth Table

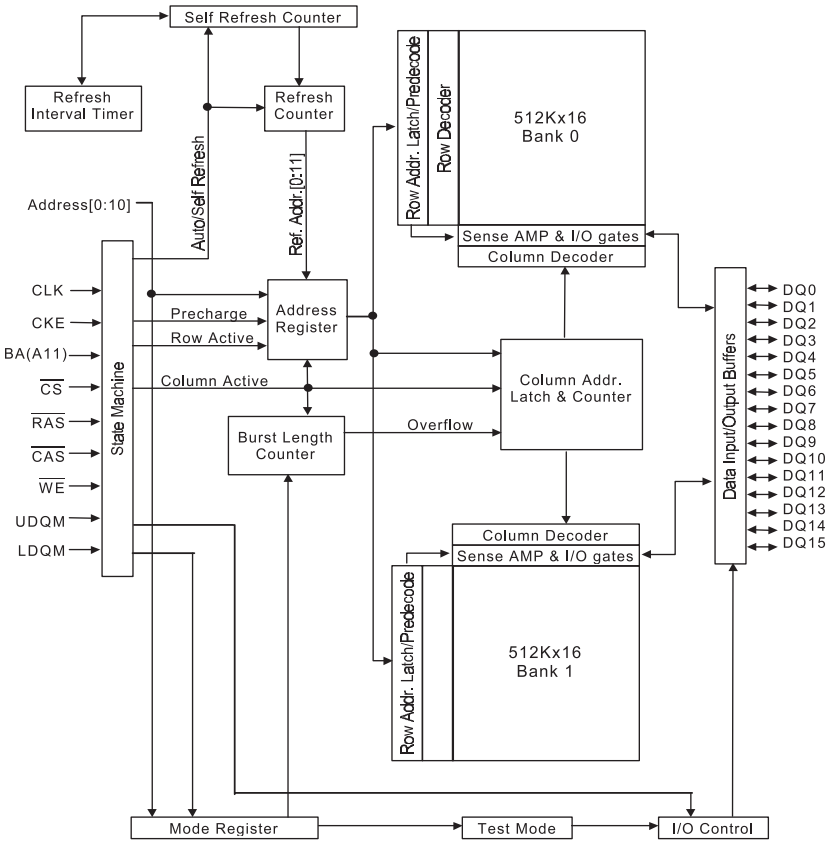
$1\overline{G}$	1A	1Y	$2\overline{G}$	2A	2Y
L	L	L	L	L	L
L	H	H	L	H	H
H	L	Z	H	L	Z
H	H	Z	H	H	Z

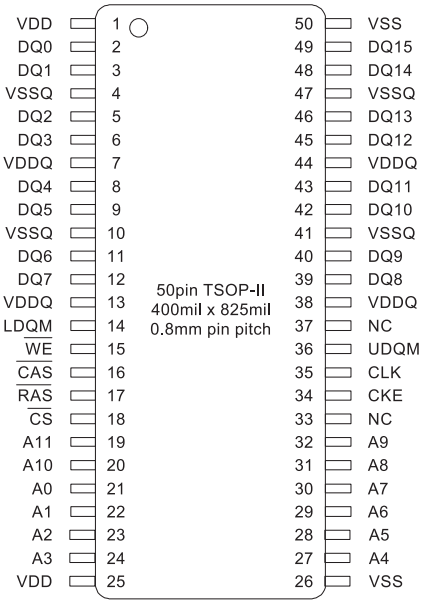
H HIGH Level
L LOW Level
Z High Impedance

8. Internal Block Diagram of ICs

DHC-XD300/XD350

- HY57V161610DTC-8

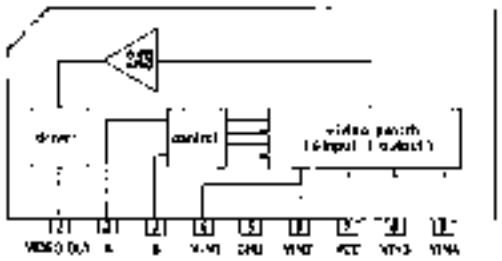




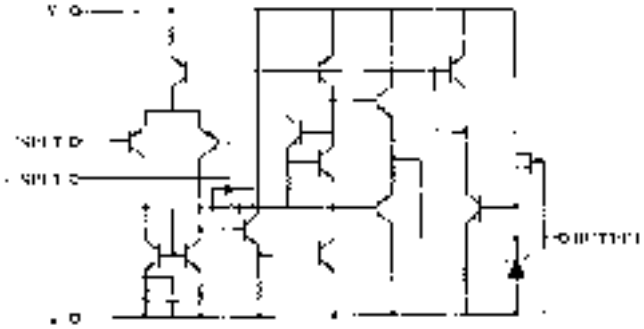
8. Internal Block Diagram of ICs

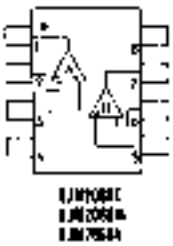
DHC-XD300/XD350

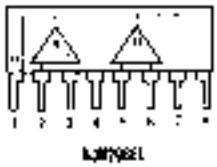
• LA7952



• NJM4558M







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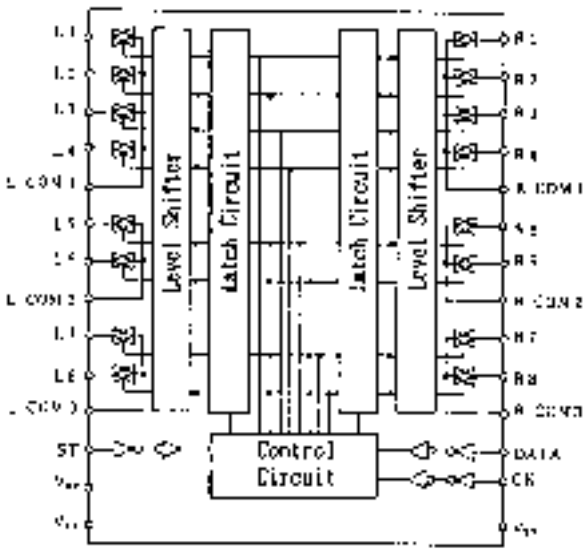

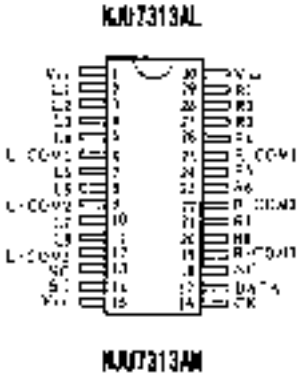

14. Exploded View and Mechanical Parts List

DHC-XD300/XD350

NO.	NAME OF PART	DHC-XD300	DHC-XD350	DISCRIPTION	Q'TY	REMARKS
1	PANEL FRONT	9CD0310000	9CD0310400	MIPS	1	
2	DOOR HOLDER	9CD1813400	¡	MIPS	1	
3	KNOB POWER	9CD1346900	9CD1347400	MIPS	1	
4	KNOB VOLUME	9CD1347000	9CD1347700	MIPS / ABS	1	
5	KNOB STAND BY	9CD1347100	9CD1347500	MIPS / ABS	1	
6	KNOB PRESET	9CD1347200	9CD1347600	MIPS / ABS	1	
7	LENS LED	9CD1619100	9CD1619200	ACRYL	1	
8	GUIDE FLT	9CD2507300	¡	MIPS	1	
9	SUPPORT PCB 08	9CD2507400	¡	MIPS	12	
10	SUPPORT PCB 12	9CD2507401	¡	MIPS	3	
11	CHASSIS BOTTOM	9CD0608900	¡	SECC	1	
12	CHASSIS TOP	9CD0609000	¡	SECC	1	
13	CHASSIS BACK	9CD0609103	9CD0609109	SECC	1	
14	DECO FRONT	9CD1004000	9CD1004200	ACRYL	1	
15	DECO DVD DOOR	9CD1004100	¡	ACRYL	1	
16	MECHANISM DVD	9CD6010300	¡		1	
17	HEAT SINK	9CD4406900	¡	AL	1	
18	HEAT SINK TR	9CD4407100	¡	AL	1	
19	HEAT SINK IC	9CD4407000	¡	BsP	1	
20	HEAT SINK DIODE	9CD44066D0	¡	AL	2	
21	PLATE SPEAKER	9CD0912600	¡	PC	1	
22	CUSHION FOOT	9CD4209000	¡	RUBBER	4	
23	RUBBER SILICON	9CD4209100	¡	RUBBER	6	
24	SPRING GROUND	9CD3009000	¡	BsP	1	
25	CUSHION FOOT	9CD4207700	¡	RUBBER	6	
26	BADGE DAEWOO	-	9CD1502500	AL	1	
S1	SCREW TAPPING	7173301012	¡		13 / 11	
S2	SCREW TAPPING	7173301412	¡		14	
S3	SCREW TAPPING	7173300811	¡		15	
S4	SCREW TAPPING	7173261011	¡		8	
S5	SCREW TAPPING	7173400611	¡		4	
S6	SCREW TAPPING	7173301812	¡		3	
S7	SCREW TAPPING	7173301013	¡		2	
S8	SCREW TAPPING	7273300812	¡		4	
P1	PCB FRONT	9CD6586600	9CD6587200		1	
P2	PCB STAND BY	9CD6586900	¡		1	
P3	PCB MAIN	9CD6586400	¡		1	
P4	PCB IN OUT	9CD6586800	¡		1	
P5	PCB REGULATOR	9CD6586700	¡		1	
P6	PCB MPEG	9CD6586500	¡		1	
E1	POWER TRANS				1	
E2	TUNER PACK				1	
E3	VFD				1	
E4	AC CORD				1	

15. Electrical Parts List

DHC-XD300/XD350

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	XD300	XD350
1	TUNER MODULE	TU001	9737650501	KST-MV114MA1-0	O	O
1	PCB FRONT AS	11000	9CDC060900	DV-215	O	O
2	PCB FRONT	B700	9CD6586600	289.5X122.5XT1.6	O	O
3	C ELECTRO	CE700	CEXP1C470V	16V REM 47MF	O	O
4	C ELECTRO	CE701	CEXP1A221V	10V REM 220MF	O	O
5	C ELECTRO	CE702	CEXP1H109V	50V REM 1MF 4*5	O	O
6	C ELECTRO	CE703	CEXP1C470V	16V REM 47MF	O	O
7	CONN AS	CN702	9728815800	#26 UL2547 SHIELD 3P BOARD-IN	O	O
8	CONN AS	CN703	9728814300	#26 8P PITCH 2.0 200MM BOARD IN	O	O
9	CONN WAFER	CW701	9CD6269500	52807-0610	O	O
10	CONN WAFER	CW702	9CD6269500	52807-0610	O	O
11	CONN WAFER	CW704	9CD6269500	52807-0610	O	O
12	CONN WAFER	CW705	9CD6271200	52807-2510	O	O
13	DIODE ZENER	DZ700~701	DZTZ4R3B--	MTZ4.3B	O	O
14	FL DISPLAY	FL700	DHNA12SM21	HNA-12SM21	O	O
15	CORE RING	HB700~701	9CD8603400	74279409 PI8.0X9.5X3.5	O	O
16	COIL CHIP	HB702~703	HLC104J01A	BEAD 120 OHM 100MHZ 2012	O	O
17	COIL CHIP	HB705	HLC104J01A	BEAD 120 OHM 100MHZ 2012	O	O
18	C CHIP CERA	HC700~701	HCBK223KBA	50V X7R 0.022MF K 1608	O	O
19	C CHIP CERA	HC702~704	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
20	C CHIP CERA	HC705~706	HCQK101JBA	50V CH 100PF J 1608	O	
21	C CHIP CERA	HC707	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
22	C CHIP CERA	HC708~709	HCQK300JBA	50V CH 30PF J 1608	O	O
23	C CHIP CERA	HC710~713	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
24	C CHIP CERA	HC711	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
25	DIODE SW CHIP	HD700~703	DZDS160---	KDS160	O	O
26	TR CHIP	HQ700~702	TZRC102S--	KRC102S	O	O
27	R CHIP	HR701~702	HRFT101JBA	1/10 100 OHM J 1608	O	O
28	R CHIP	HR703	HRFT100JBA	1/10 10 OHM J 1608	O	O
29	R CHIP	HR704~705	HRFT103JBA	1/10 10K OHM J 1608	O	O
30	R CHIP	HR706	HRFT101JBA	1/10 100 OHM J 1608	O	O
31	R CHIP	HR707	HRFT103JBA	1/10 10K OHM J 1608	O	O
32	R CHIP	HR708	HRFT101JBA	1/10 100 OHM J 1608	O	O
33	R CHIP	HR709	HRFT103JBA	1/10 10K OHM J 1608	O	O
34	R CHIP	HR710~712	HRFT101JBA	1/10 100 OHM J 1608	O	O
35	R CHIP	HR713	HRFT103JBA	1/10 10K OHM J 1608	O	O
36	R CHIP	HR714	HRF8331JCA	1/8 330 OHM J 2012	O	O
37	R CHIP	HR715~717	HRFT103JBA	1/10 10K OHM J 1608	O	O
38	R CHIP	HR718~719	HRFT473JBA	1/10 47K OHM J 1608	O	
39	R CHIP	HR720	HRFT100JBA	1/10 10 OHM J 1608	O	O
40	R CHIP	HR721~722	HRFT152JBA	1/10 1.5K OHM J 1608	O	O
41	R CHIP	HR723~727	HRFT101JBA	1/10 100 OHM J 1608	O	O
42	R CHIP	HR728	HRFT151JBA	1/10 150 OHM J 1608	O	O
43	R CHIP	HR729	HRFT101JBA	1/10 100 OHM J 1608	O	O
44	R CHIP	HR730	HRFT181JBA	1/10 180 OHM J 1608	O	O
45	R CHIP	HR731	HRFT271JBA	1/10 270 OHM J 1608	O	O
46	R CHIP	HR732	HRFT472JBA	1/10 4.7K OHM J 1608	O	O
47	R CHIP	HR733	HRFT103JBA	1/10 10K OHM J 1608	O	O
48	R CHIP	HR734	HRFT333JBA	1/10 33K OHM J 1608	O	O
49	R CHIP	HR735~736	HRFT562JBA	1/10 5.6K OHM J 1608	O	O
50	R CHIP	HR737	HRFT103JBA	1/10 10K OHM J 1608	O	O
51	R CHIP	HR738	HRFT562JBA	1/10 5.6K OHM J 1608	O	
52	R CHIP	HR738	HRFT151JBA	1/10 150 OHM J		O
53	R CHIP	HR739	HRFT181JBA	1/10 180 OHM J		O
54	R CHIP	HR740~742	HRFT103JBA	1/10 10K OHM J 1608	O	O
55	R CHIP	HR743~745	HRFT000JBA	1/10 0 OHM J 1608	O	O
56	R CHIP	HR746~748	HRFT222JBA	1/10 2.2K OHM J 1608	O	O
57	R CHIP	HR750	HRFT562JBA	1/10 5.6K OHM J		O
58	IC	IC701	1M24C04MN-	M24C04MN S0P	O	O
59	IC RMC	IC702	1354HF----	354HF	O	O
60	IC	IC703	1M38B7----	M38B7-XD300	O	O
61	JACK	J700	9736322800	HTJ-035-18A(KUNMING)	O	O
62	LED	LD700	DLTL16KGE-	LTL-16KGE(GREEN)PI3.1	O	
63	LED	LD700	DLTL16KEE-	LTL-16KEE(RED)PI3.1		O
64	TR	Q702	TZTA1272Y-	KTA1272-Y (AUTO)	O	O
65	SW TACT	SW700~706	5S50101001	KPT-1105A 1C-1P	O	O
66	SW TACT	SW707~708	5S50101001	KPT-1105A 1C-1P		O
67	SW PUSH	SW710	5S40101373	SPEA122SC011	O	O
68	SW ENCORDER	VR700	5SH162401-	EC16B24204 24P W/DETENT	O	
69	CONN FFC	WC700	9728815900	FFC 6P P=1.0X100MM K	O	O
70	CONN FFC	WC701	9728816000	FFC 6P P=1.0X150M K	O	O
71	CONN FFC	WC702	9728816100	FFC 25P P=1.0X370MM K	O	O
72	RESO CERA	XC700	5PCSA4R190	CSA 4.19M	O	O
1	PCB INOUT AS	14000	9CDC061200	DV-215	O	O
2	PCB INOUT	B401	9CD6586800	80X169	O	O
3	C ELECTRO	CE402~403	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
4	C ELECTRO	CE405~406	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
5	C ELECTRO	CE407~410	CEXF1H479V	50V RSS 4.7MF (5X11) TP	O	O
6	C ELECTRO	CE411~412	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
7	C ELECTRO	CE413	CEXF1C471V	16V RSS 470MF (8X12)TP	O	O
8	C ELECTRO	CE414	CEXF1E101V	25V RSS 100MF (6.3X11) TP	O	O
9	C ELECTRO	CE415	CEXF1C471V	16V RSS 470MF (8X12)TP	O	O
10	C ELECTRO	CE416~417	CEXF1E101V	25V RSS 100MF (6.3X11) TP	O	O
11	C ELECTRO	CE418~425	CEXF1H100V	50V RSS 10MF (5X11) TP	O	O
12	C ELECTRO	CE426~427	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
13	C ELECTRO	CE428	CEXF1C471V	16V RSS 470MF (8X12)TP	O	O
14	CONN WAFER	CW401	9CD6269100	52806-2710	O	O
15	CONN WAFER	CW408	9CD6267600	52806-1110	O	O
16	C CHIP CERA	HC403	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
17	C CHIP CERA	HC404	HCQK220JBA	50V CH 22PF J 1608	O	O
18	C CHIP CERA	HC405~406	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
19	C CHIP CERA	HC409~410	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
20	C CHIP CERA	HC411~412	HCQK101JBA	50V CH 100PF J 1608	O	O
21	C CHIP CERA	HC415~416	HCQK101JBA	50V CH 100PF J 1608	O	O
22	C CHIP CERA	HC419~420	HCQK101JBA	50V CH 100PF J 1608	O	O
23	C CHIP CERA	HC423	HCQK101JBA	50V CH 100PF J 1608	O	O
24	C CHIP CERA	HC424	HCBK473KBA	50V X7R 0.047MF K 1608	O	O
25	C CHIP CERA	HC425~426	HCBK103KBA	50V X7R 0.01MF K 1608	O	O
26	C CHIP CERA	HC427~428	HCBK102KBA	50V X7R 1000PF K 1608	O	O
27	C CHIP CERA	HC429~430	HCBK103KBA	50V X7R 0.01MF K 1608	O	O
28	C CHIP CERA	HC431	HCQK101JBA	50V CH 100PF J 1608	O	O
29	C CHIP CERA	HC432	HCBK103KBA	50V X7R 0.01MF K 1608	O	O
30	C CHIP CERA	HC434~435	HCBK103KBA	50V X7R 0.01MF K 1608	O	O
31	C CHIP CERA	HC437~438	HCQK101JBA	50V CH 100PF J 1608	O	O

15. Electrical Parts List

DHC-XD300/XD350

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	XD300	XD350
32	C CHIP CERA	HC439	HCBK103KBA	50V X7R 0.01MF K 1608	O	O
33	DIODE SW CHIP	HD402~404	DZDS160---	KDS160	O	O
34	DIODE SW CHIP	HD411~422	DZDS160---	KDS160	O	O
35	COIL CHIP	HL402	HLC479J03A	4.7UH CHIP 2012	O	O
36	COIL CHIP	HL404~418	HLC104J01A	BEAD 120 OHM 100MHZ 2012	O	O
37	COIL CHIP	HL420~424	HLC104J01A	BEAD 120 OHM 100MHZ 2012	O	O
38	COIL CHIP	HL428~429	HLC104J01A	BEAD 120 OHM 100MHZ 2012	O	O
39	TR CHIP	HQ401~402	TZTC3875Y-	KTC3875Y	O	O
40	TR CHIP	HQ403~404	TZRC107S--	KRC107S	O	O
41	TR CHIP	HQ405	TZTC3875Y-	KTC3875Y	O	O
42	TR CHIP	HQ406	TZRC107S--	KRC107S	O	O
43	TR CHIP	HQ407	TZRA102S--	KRA102S (10X10)PNP	O	O
44	TR CHIP	HQ408	TZRC107S--	KRC107S	O	O
45	R CHIP	HR401	HRFT472JBA	1/10 4.7K OHM J 1608	O	O
46	R CHIP	HR403	HRFT221JBA	1/10 220 OHM J 1608	O	O
47	R CHIP	HR409~410	HRFT101JBA	1/10 100 OHM J 1608	O	O
48	R CHIP	HR411~414	HRFT104JBA	1/10 100K OHM J 1608	O	O
49	R CHIP	HR415~416	HRFT750JBA	1/10 75 OHM J 1608	O	O
50	R CHIP	HR417~418	HRFT104JBA	1/10 100K OHM J 1608	O	O
51	R CHIP	HR419~420	HRFT750JBA	1/10 75 OHM J 1608	O	O
52	R CHIP	HR421~422	HRFT104JBA	1/10 100K OHM J 1608	O	O
53	R CHIP	HR423~424	HRFT750JBA	1/10 75 OHM J 1608	O	O
54	R CHIP	HR425	HRFT221JBA	1/10 220 OHM J 1608	O	O
55	R CHIP	HR426	HRFT104JBA	1/10 100K OHM J 1608	O	O
56	R CHIP	HR427~431	HRFT101JBA	1/10 100 OHM J 1608	O	O
57	R CHIP	HR432	HRFT680JBA	1/10 68 OHM J 1608	O	O
58	R CHIP	HR433	HRFT473JBA	1/10 47K OHM J 1608	O	O
59	R CHIP	HR434	HRFT391JBA	1/10 390 OHM J 1608	O	O
60	R CHIP	HR435	HRFT750JBA	1/10 75 OHM J 1608	O	O
61	R CHIP	HR436	HRFT332JBA	1/10 3.3K OHM J 1608	O	O
62	R CHIP	HR437	HRFT680JBA	1/10 68 OHM J 1608	O	O
63	R CHIP	HR438	HRFT473JBA	1/10 47K OHM J 1608	O	O
64	R CHIP	HR439	HRFT391JBA	1/10 390 OHM J 1608	O	O
65	R CHIP	HR440	HRFT473JBA	1/10 47K OHM J 1608	O	O
66	R CHIP	HR441~442	HRFT104JBA	1/10 100K OHM J 1608	O	O
67	R CHIP	HR443~446	HRFT101JBA	1/10 100 OHM J 1608	O	O
68	R CHIP	HR447~450	HRFT104JBA	1/10 100K OHM J 1608	O	O
69	R CHIP	HR451~452	HRFT472JBA	1/10 4.7K OHM J 1608	O	O
70	R CHIP	HR453~454	HRFT101JBA	1/10 100 OHM J 1608	O	O
71	R CHIP	HR455~456	HRFT104JBA	1/10 100K OHM J 1608	O	O
72	R CHIP	HR457	HRFT750JBA	1/10 75 OHM J 1608	O	O
73	R CHIP	HR458	HRFT391JBA	1/10 390 OHM J 1608	O	O
74	R CHIP	HR459	HRFT473JBA	1/10 47K OHM J 1608	O	O
75	R CHIP	HR460	HRFT680JBA	1/10 68 OHM J 1608	O	O
76	R CHIP	HR461~462	HRFT104JBA	1/10 100K OHM J 1608	O	O
77	R CHIP	HR463~464	HRFT750JBA	1/10 75 OHM J 1608	O	O
78	R CHIP	HR465~466	HRFT102JBA	1/10 1K OHM J 1608	O	O
79	R CHIP	HR468	HRFT101JBA	1/10 100 OHM J 1608	O	O
80	IC SWITCH	IC401	1NJU7313A-	NJU7313A (SW ARRAY)	O	O
81	IC CHIP	IC402~403	1NJM4558M-	NJM4558M	O	O
82	IC SWITCH	IC404	1LA7952---	LA7952	O	O
83	IC	IC405	174HCU04--	74HCU04 (INVERTER)	O	O
84	IC CHIP	IC406	1NJM4558M-	NJM4558M	O	O
85	IC TX	IC407	1TX0C0805-	OC0805-TX	O	O
86	JACK RCA 9P	J401	9736325100	JB090148 (RCA 9P)	O	O
87	JACK S-VIDEO	J402	9736325200	C5026030 (S-VIDEO+RCA)	O	O
88	JACK SCART	J403	9736324800	21P	O	O
89	CONN FFC	WC400	9728816400	FFC 27P P=1.0X100MM R	O	O
1	PCB MAIN AS	10000	9CDC060800	DV-215	O	O
2	PCB MAIN	B800	9CD6586400	234X208 CEM-3	O	O
3	C ELECTRO	CE201~204	CEXF1H100V	50V RSS 10MF (5X11) TP	O	O
4	C ELECTRO	CE205~206	CEXF1H479V	50V RSS 4.7MF (5X11) TP	O	O
5	C ELECTRO	CE215~216	CEXF1H479V	50V RSS 4.7MF (5X11) TP	O	O
6	C ELECTRO	CE217	CEXF1H109V	50V RSS 1MF (5X11) TP	O	O
7	C ELECTRO	CE218	CEXF1H108V	50V RSS 0.1MF (5X11) TP	O	O
8	C ELECTRO	CE219~220	CEXF1E101V	25V RSS 100MF (6.3X11) TP	O	O
9	C ELECTRO	CE221~222	CEXF1H100V	50V RSS 10MF (5X11) TP	O	O
10	C ELECTRO	CE223	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
11	C ELECTRO	CE224~227	CEXF1H479V	50V RSS 4.7MF (5X11) TP	O	O
12	C ELECTRO	CE228~229	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
13	C ELECTRO	CE230	CEXF1H109V	50V RSS 1MF (5X11) TP	O	O
14	C ELECTRO	CE231	CEYF1A102V	10V 1000MF RSS 10X16	O	O
15	C ELECTRO	CE232	CEXF1H109V	50V RSS 1MF (5X11) TP	O	O
16	C ELECTRO	CE233	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
17	C ELECTRO	CE234	CEXF1H100V	50V RSS 10MF (5X11) TP	O	O
18	C ELECTRO	CE235~236	CEXF1H479V	50V RSS 4.7MF (5X11) TP	O	O
19	C ELECTRO	CE237	CEXF1H100V	50V RSS 10MF (5X11) TP	O	O
20	C ELECTRO	CE238	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
21	C ELECTRO	CE239	CEXF1H479V	50V RSS 4.7MF (5X11) TP	O	O
22	C ELECTRO	CE240~242	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
23	C ELECTRO	CE243~244	CEXF1H109V	50V RSS 1MF (5X11) TP	O	O
24	C ELECTRO	CE245~246	CEXF1H479V	50V RSS 4.7MF (5X11) TP	O	O
25	C ELECTRO	CE801~803	CEYF1V102V	35V RSS 1000MF (13X25)	O	O
26	C ELECTRO	CE804~805	CEYF1V472V	35V RSS 4700MF (22X40)	O	O
27	C MYLAR	CM801~812	CMXK1J104J	MC 63V 0.1MF J	O	O
28	C MYLAR	CM813~818	CMXK1J474J	MC 63V 0.47MF J	O	O
29	C MYLAR	CM819~830	CMXM2A682J	100V 6800PF J (TP)	O	O
30	C MYLAR	CM831~842	CMXK1J104J	MC 63V 0.1MF J	O	O
31	C MYLAR	CM991~993	CMXM2A104J	100V 0.1MF J (TP)	O	O
32	CONN WAFER	CW101	9CD6264500	52045-1345 TOP ENTRY	O	O
33	CONN WAFER	CW201	9CD6269100	52806-2710	O	O
34	CONN AS	CW202	9728811400	P2.0 3P 270MM SHIELD	O	O
35	CONN WAFER	CW203	9CD6267300	52806-0810	O	O
36	CONN WAFER	CW205	9CD6269000	52806-2510	O	O
37	CONN WAFER	CW991	9728808400	VH-2A WAFER	O	O
38	CONN AS	CW993	9728814900	#22 6P P=2.0 150MM	O	O
39	DIODE	DB991	DKBPC806--	KBPC806	O	O
40	C CHIP CERA	HC201~202	HCQK561JBA	50V CH 560PF J 1608	O	O
41	C CHIP CERA	HC203~204	HCQK121JBA	50V CH 120PF J 1608	O	O
42	C CHIP CERA	HC205~206	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
43	C CHIP CERA	HC207~208	HCQK101JBA	50V CH 100PF J 1608	O	O
44	C CHIP CERA	HC209~210	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
45	C CHIP CERA	HC221~222	HCBK103KBA	50V X7R 0.01MF K 1608	O	O
46	C CHIP CERA	HC223	HCBK104KBA	50V X7R 0.1MF K 1608	O	O

15. Electrical Parts List

DHC-XD300/XD350

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	XD300	XD350
47	C CHIP CERA	HC224	HCBK105KBA	50V X7R 1MF K 1608	O	O
48	C CHIP CERA	HC225~226	HCBK222KBA	50V X7R 2200PF K 1608	O	O
49	C CHIP CERA	HC227~231	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
50	C CHIP CERA	HC232~233	HCQK160JBA	50V CH 16PF J 1608	O	O
51	C CHIP CERA	HC234~239	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
52	C CHIP CERA	HC240~241	HCQK101JBA	50V CH 100PF J 1608	O	O
53	C CHIP CERA	HC242~243	HCQK681JBA	50V CH 680PF J 1608	O	O
54	C CHIP CERA	HC244~245	HCQK471JBA	50V CH 470PF J 1608	O	O
55	C CHIP CERA	HC246~253	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
56	C CHIP CERA	HC254	HCQK101JBA	50V CH 100PF J 1608	O	O
57	C CHIP CERA	HC255	HCQK561JBA	50V CH 560PF J 1608	O	O
58	C CHIP CERA	HC256	HCQK121JBA	50V CH 120PF J 1608	O	O
59	C CHIP CERA	HC257	HCQK221JBA	50V CH 220PF J 1608	O	O
60	C CHIP CERA	HC258~260	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
61	C CHIP CERA	HC261	HCQK220JBA	50V CH 22PF J 1608	O	O
62	C CHIP CERA	HC262~265	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
63	C CERA	HC266~267	CCZB1H331K	50V B 330PF K (AXIAL)	O	O
64	C CHIP CERA	HC801~809	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
65	C CHIP CERA	HC811~814	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
66	C CHIP CERA	HC816	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
67	C CHIP CERA	HC818	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
68	C CHIP CERA	HC820~825	HCBK331KBA	50V Y5V 330PF J 1608	O	O
69	CHIP TANTAL CAP	HC826~831	HCTAJ105KB	TSM1V105ASSR(1UF/35V,3216)	O	O
70	DIODE SW CHIP	HD201~202	DZDS160---	KDS160	O	O
71	R CHIP	HL201~204	HRFT000-BA	1/10 0 OHM 1608	O	O
72	R CHIP	HL205~206	HRFT100JBA	1/10 10 OHM J 1608	O	O
73	R CHIP	HL207	HRFT000-BA	1/10 0 OHM 1608	O	O
74	R CHIP	HL211~221	HRFT000-BA	1/10 0 OHM 1608	O	O
75	R CHIP	HL223~225	HRFT000-BA	1/10 0 OHM 1608	O	O
76	R CHIP	HL229~231	HRFT000-BA	1/10 0 OHM 1608	O	O
77	R CHIP	HL249~250	HRFT000-BA	1/10 0 OHM 1608	O	O
78	R CHIP	HL801~803	HRFT000-BA	1/10 0 OHM 1608	O	O
79	TR CHIP	HQ201	TZRC231S--	KRC231S	O	O
80	TR CHIP	HQ203~204	TZRC231S--	KRC231S	O	O
81	TR CHIP	HQ991	TZRC107S--	KRC107S	O	O
82	R CHIP	HR200	HRFT100JBA	1/10 10 OHM J 1608	O	O
83	R CHIP	HR201~202	HRFT103JBA	1/10 10K OHM J 1608	O	O
84	R CHIP	HR203~204	HRFT122JBA	1/10 1.2K OHM J 1608	O	O
85	R CHIP	HR205~206	HRFT183JBA	1/10 18K OHM J 1608	O	O
86	R CHIP	HR207~208	HRFT473JBA	1/10 47K OHM J 1608	O	O
87	R CHIP	HR209~212	HRFT123JBA	1/10 12K OHM J 1608	O	O
88	R CHIP	HR213~214	HRFT224JBA	1/10 220K OHM J 1608	O	O
89	R CHIP	HR215~216	HRFT101JBA	1/10 100 OHM J 1608	O	O
90	R CHIP	HR217	HRFT183JBA	1/10 18K OHM J 1608	O	O
91	R CHIP	HR218	HRFT123JBA	1/10 12K OHM J 1608	O	O
92	R CHIP	HR219	HRFT104JBA	1/10 100K OHM J 1608	O	O
93	R CHIP	HR220	HRFT123JBA	1/10 12K OHM J 1608	O	O
94	R CHIP	HR221	HRFT224JBA	1/10 220K OHM J 1608	O	O
95	R CHIP	HR222	HRFT101JBA	1/10 100 OHM J 1608	O	O
96	R CHIP	HR223	HRFT103JBA	1/10 10K OHM J 1608	O	O
97	R CHIP	HR224~225	HRFT100JBA	1/10 10 OHM J 1608	O	O
98	R CHIP	HR226	HRFT331JBA	1/10 330 OHM J 1608	O	O

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	XD300	XD350
99	R CHIP	HR227~228	HRF4220JEA	1/4W 22 OHM J 3216	O	O
100	R CHIP	HR229~230	HRFT220JBA	1/10W 22 OHM J 1608	O	O
101	R CHIP	HR234~235	HRFT103JBA	1/10 10K OHM J 1608	O	O
102	R CHIP	HR236	HRFT104JBA	1/10 100K OHM J 1608	O	O
103	R CHIP	HR237~238	HRF4220JEA	1/4W 22 OHM J 3216	O	O
104	R CHIP	HR239~240	HRFT561JBA	1/10 560 OHM J 1608	O	O
105	R CHIP	HR241~242	HRFT104JBA	1/10 100K OHM J 1608	O	O
106	R CHIP	HR243~244	HRFT151JBA	1/10 150 OHM J 1608	O	O
107	R CHIP	HR245	HRFT222JBA	1/10 2.2K OHM J 1608	O	O
108	R CHIP	HR246~247	HRFT000-BA	1/10 0 OHM 1608	O	O
109	R CHIP	HR250	HRFT100JBA	1/10 10 OHM J 1608	O	O
110	R CHIP	HR251~252	HRFT220JBA	1/10W 22 OHM J 1608	O	O
111	R CHIP	HR253	HRFT103JBA	1/10 10K OHM J 1608	O	O
112	R CHIP	HR254	HRFT105JBA	1/10 1M OHM J 1608	O	O
113	R CHIP	HR255	HRFT473JBA	1/10 47K OHM J 1608	O	O
114	R CHIP	HR256	HRFT471JBA	1/10 470 OHM J 1608	O	O
115	R CHIP	HR257~259	HRFT220JBA	1/10W 22 OHM J 1608	O	O
116	R CHIP	HR260	HRFT100JBA	1/10 10 OHM J 1608	O	O
117	R CHIP	HR261~264	HRFT220JBA	1/10W 22 OHM J 1608	O	O
118	R CHIP	HR265	HRFT473JBA	1/10 47K OHM J 1608	O	O
119	R CHIP	HR267	HRFT100JBA	1/10 10 OHM J 1608	O	O
120	R CHIP	HR268~269	HRFT220JBA	1/10W 22 OHM J 1608	O	O
121	R CHIP	HR270	HRFT100JBA	1/10 10 OHM J 1608	O	O
122	R CHIP	HR271	HRFT471JBA	1/10 470 OHM J 1608	O	O
123	R CHIP	HR272~274	HRFT220JBA	1/10W 22 OHM J 1608	O	O
124	R CHIP	HR275~277	HRFT000-BA	1/10 0 OHM 1608	O	O
125	R CHIP	HR278~280	HRFT220JBA	1/10W 22 OHM J 1608	O	O
126	R CHIP	HR281~282	HRFT561JBA	1/10 560 OHM J 1608	O	O
127	R CHIP	HR283~286	HRFT104JBA	1/10 100K OHM J 1608	O	O
128	R CHIP	HR287~288	HRFT821JBA	1/10 820 OHM J 1608	O	O
129	R CHIP	HR289~292	HRFT103JBA	1/10 10K OHM J 1608	O	O
130	R CHIP	HR293~295	HRFT220JBA	1/10W 22 OHM J 1608	O	O
131	R CHIP	HR296	HRFT104JBA	1/10 100K OHM J 1608	O	O
132	R CHIP	HR297	HRFT561JBA	1/10 560 OHM J 1608	O	O
133	R CHIP	HR298	HRFT472JBA	1/10 4.7K OHM J 1608	O	O
134	R CHIP	HR299	HRFT122JBA	1/10 1.2K OHM J 1608	O	O
135	R CHIP	HR300	HRFT333JBA	1/10 33K OHM J 1608	O	O
136	R CHIP	HR301	HRFT100JBA	1/10 10 OHM J 1608	O	O
137	R CHIP	HR801~812	HRFT000-BA	1/10 0 OHM 1608	O	O
138	R CHIP	HR813~815	HRFT100JBA	1/10 10 OHM J 1608	O	O
139	R CHIP	HR816	HRFT103JBA	1/10 10K OHM J 1608	O	O
140	R CHIP	HR819	HRFT103JBA	1/10 10K OHM J 1608	O	O
141	R CHIP	HR822~833	HRF4569JEA	1/4W 5.6 OHM J 3216	O	O
142	R CHIP	HR834~839	HRF4220JEA	1/4W 22 OHM J 3216	O	O
143	R CHIP	HR840	HRFT103JBA	1/10 10K OHM J 1608	O	O
144	R CHIP	HR843~845	HRFT103JBA	1/10 10K OHM J 1608	O	O
145	DIODE ZENER CHIP	HZ991	DRLZ30B---	RLZ30B	O	O
146	DIODE ZENER CHIP	HZ992	DRLZ4R7B--	RLZ4.7B	O	O
147	IC DDX	IC201~202	1STA304A--	STA304A	O	O
148	IC	IC203~204	1CS4341---	CS4341 (DAC)	O	O
149	IC AMP(CHIP TYPE)	IC205	1BA4560F--	BA4560F	O	O
150	IC CHIP	IC206	1NJM4558M-	NJM4558M	O	O

15. Electrical Parts List

DHC-XD300/XD350

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	XD300	XD350
151	IC REGULATOR	IC207	1LD1117S33	LD117AS33TR 3.3V (TO-223)	O	O
152	IC	IC208	1CS4228A--	CS4228A (CODEC)	O	O
153	IC CHIP	IC209~210	1NJM4558M-	NJM4558M	O	O
154	IC	IC211~212	174VHC157M	74VHC157MTC	O	O
155	IC	IC213	174VHC14MT	74VHCMTC TSSOP	O	O
156	IC PWM AMP	IC801~803	1STA500---	STA500	O	O
157	JACK SPK	J801	9736325000	PA1220601P	O	O
158	COIL FILTER	L801~812	5P8080P220	8080P-13-220K	O	O
159	CONN FFC	WC100	9728816500	FFC 13P P=1.25X100MM R	O	O
160	X-TAL	XC201	5XE6R1440J	6.144MHZ	O	O
1	PCB MPEG AS	12000	9CDC061000	DV-215	O	O
2	PCB MPEG	B501	9CD6586500	150X150	O	O
3	C ELECTRO	CE506	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
4	C ELECTRO	CE523	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
5	C ELECTRO	CE611~613	CEXF1C471V	16V RSS 470MF (8X12)TP	O	O
6	C ELECTRO	CE618	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
7	C ELECTRO	CE619	CEXF1C102V	16V RSS 1000MF (10X20) TP	O	O
8	C ELECTRO	CE622	CEXF1C471V	16V RSS 470MF (8X12)TP	O	O
9	CONN AS	CN501	9728815700	ADAPI CABLE 40P 360MM	O	O
10	JACK ATAPI	CW501	9736324700	40P ATAPI	O	O
11	CONN WAFER	CW503	9CD6267300	52806-0810	O	O
12	CONN WAFER	CW504	9CD6267400	52806-0610	O	O
13	CONN AS	CW507	9728814600	#22 4P P=2.0 200MM	O	O
14	CONN WAFER	CW508	9CD6267600	52806-1110	O	O
15	C CHIP CERA	HC501~526	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
16	C CHIP CERA	HC527	HCQK151JBA	50V CH 150PF J 1608	O	O
17	C CHIP CERA	HC528	HCQK330JBA	50V CH 33PF J 1608	O	O
18	C CHIP CERA	HC534~538	HCQK330JBA	50V CH 33PF J 1608	O	O
19	C CHIP CERA	HC539	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
20	C CHIP CERA	HC541	HCBK103KBA	50V X7R 0.01MF K 1608	O	O
21	C CHIP CERA	HC542~546	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
22	C CHIP CERA	HC547	HCBK224KBA	50V X7R 0.22MF K 1608	O	O
23	C CHIP CERA	HC549	HCQK220JBA	50V CH 22PF J 1608	O	O
24	C CHIP CERA	HC550	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
25	C CHIP CERA	HC553~555	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
26	C CHIP CERA	HC574	HCQK150JBA	50V CH 15PF J 1608	O	O
27	C CHIP CERA	HC576	HCQK150JBA	50V CH 15PF J 1608	O	O
28	C CHIP CERA	HC578~579	HCQK470JBA	50V CH 47PF J 1608	O	O
29	C CHIP CERA	HC590	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
30	C CHIP CERA	HC607~608	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
31	C CHIP CERA	HC614~617	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
32	C CHIP CERA	HC619	HCBK104KBA	50V X7R 0.1MF K 1608	O	O
33	C CHIP CERA	HC637~640	HCQK560JBA	50V CH 56PF J 1608	O	O
34	C CHIP CERA	HC645	HCQK560JBA	50V CH 56PF J 1608	O	O
35	C CHIP CERA	HC673	HCQK560JBA	50V CH 56PF J 1608	O	O
36	C CHIP CERA	HC675~676	HCQK100JBA	50V CH 10PF J 1608	O	O
37	C CHIP CERA	HC679	HCQK100JBA	50V CH 10PF J 1608	O	O
38	C CHIP CERA	HC680~685	HCQK560JBA	50V CH 56PF J 1608	O	O
39	TR CHIP	HQ601~603	TZTA1504S-	JTA1504S	O	O
40	R CHIP	HR501~505	HRFT472JBA	1/10 4.7K OHM J 1608	O	O
41	R CHIP	HR511~512	HRFT472JBA	1/10 4.7K OHM J 1608	O	O
42	R CHIP	HR513~519	HRFT470JBA	1/10 47 OHM J 1608	O	O
43	R CHIP	HR520~532	HRFT100JBA	1/10 10 OHM J 1608	O	O
44	R CHIP	HR533~537	HRFT330JBA	1/10 33 OHM J 1608	O	O
45	R CHIP	HR539	HRFT330JBA	1/10 33 OHM J 1608	O	O
46	R CHIP	HR544	HRFT000JBA	1/10 0 OHM J 1608	O	O
47	R CHIP	HR545	HRFT681JBA	1/10 680 OHM J 1608	O	O
48	R CHIP	HR546~547	HRFT105JBA	1/10 1M OHM J 1608	O	O
49	R CHIP	HR549	HRFT100JBA	1/10 10 OHM J 1608	O	O
50	R CHIP	HR550~552	HRFT102JBA	1/10 1K OHM J 1608	O	O
51	R CHIP	HR556	HRFT470JBA	1/10 47 OHM J 1608	O	O
52	R CHIP	HR557~575	HRFT330JBA	1/10 33 OHM J 1608	O	O
53	R CHIP	HR576	HRFT332JBA	1/10 3.3K OHM J 1608	O	O
54	R CHIP	HR577~578	HRFT330JBA	1/10 33 OHM J 1608	O	O
55	R CHIP	HR580~581	HRFT330JBA	1/10 33 OHM J 1608	O	O
56	R CHIP	HR582	HRFT331JBA	1/10 330 OHM J 1608	O	O
57	R CHIP	HR583	HRFT000JBA	1/10 0 OHM J 1608	O	O
58	R CHIP	HR586	HRFT000JBA	1/10 0 OHM J 1608	O	O
59	R CHIP	HR587	HRFT472JBA	1/10 4.7K OHM J 1608	O	O
60	R CHIP	HR588	HRFT330JBA	1/10 33 OHM J 1608	O	O
61	R CHIP	HR589	HRFT000JBA	1/10 0 OHM J 1608	O	O
62	R CHIP	HR590~591	HRFT103JBA	1/10 10K OHM J 1608	O	O
63	R CHIP	HR592	HRFT472JBA	1/10 4.7K OHM J 1608	O	O
64	R CHIP	HR597	HRFT105JBA	1/10 1M OHM J 1608	O	O
65	R CHIP	HR604	HRFT750JBA	1/10 75 OHM J 1608	O	O
66	R CHIP	HR606	HRFT750JBA	1/10 75 OHM J 1608	O	O
67	R CHIP	HR607	HRFT102JBA	1/10 1K OHM J 1608	O	O
68	R CHIP	HR608	HRFT101JBA	1/10 100 OHM J 1608	O	O
69	R CHIP	HR609	HRFT201JBA	1/10 200 OHM J 1608	O	O
70	COIL CHIP	HR610	HLC479J03A	4.7UH CHIP 2012	O	O
71	R CHIP	HR611	HRFT000JBA	1/10 0 OHM J 1608	O	O
72	R CHIP	HR612	HRFT330JBA	1/10 33 OHM J 1608	O	O
73	R CHIP	HR613	HRFT750JBA	1/10 75 OHM J 1608	O	O
74	R CHIP	HR614	HRFT330JBA	1/10 33 OHM J 1608	O	O
75	COIL CHIP	HR616	HLC479J03A	4.7UH CHIP 2012	O	O
76	R CHIP	HR617~621	HRFT301JBA	1/10 300 OHM J 1609	O	O
77	R CHIP	HR622~623	HRFT330JBA	1/10 33 OHM J 1608	O	O
78	R CHIP	HR624~625	HRFT101JBA	1/10 100 OHM J 1608	O	O
79	R CHIP	HR626	HRFT402FBA	1/10 4.0K OHM F 1608(1%)	O	O
80	R CHIP	HR630~632	HRFT301JBA	1/10 300 OHM J 1609	O	O
81	R CHIP	HR637	HRFT301JBA	1/10 300 OHM J 1609	O	O
82	R CHIP	HR638~643	HRFT000JBA	1/10 0 OHM J 1608	O	O
83	R CHIP	HR644~646	HRFT104JBA	1/10 100K OHM J 1608	O	O
84	IC MPEG DEC	IC501	1ES4408FD-	ESS4408FD (MPEG DEC)	O	O
85	IC SDRAM	IC502~503	1HY57V1616	HY57V1616	O	O
86	IC FLASHROM	IC505	1M29F080A-	STM29F080A	O	O
87	IC	IC506	1M24C04MN-	M24C04MN S0P	O	O
88	IC VIDEO ENCODER	IC507	1CS4955---	CS4955	O	O
89	IC REGULATOR	IC509	1A1C1117CY	AIC117-CY	O	O
90	IC	IC517	174HCU04--	74HCU04 (INVERTER)	O	O
91	COIL CHIP	L501~502	HLC104J01A	BEAD 120 OHM 100MHZ 2012	O	O
92	COIL CHIP	L503	HLC479J03A	4.7UH CHIP 2012	O	O
93	COIL CHIP	L505	HLC104J01A	BEAD 120 OHM 100MHZ 2012	O	O
94	R CHIP	L506	HRFT561JBA	1/10 560 OHM J 1608	O	O

15. Electrical Parts List

DHC-XD300/XD350

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	XD300	XD350
95	COIL CHIP	L508	HLC479J03A	4.7UH CHIP 2012	O	O
96	R CHIP	L509~510	HRFT561JBA	1/10 560 OHM J 1608	O	O
97	R CHIP	L511	HRFT331JBA	1/10 330 OHM J 1608	O	O
98	R CHIP	L512~513	HRFT561JBA	1/10 560 OHM J 1608	O	O
99	COIL CHIP	L602~604	HLC829J03A	8.2UH	O	O
100	CONN FFC	WC500	9728816200	FFC 8P P=1.0X220MM R	O	O
101	CONN FFC	WC501	9728816300	FFC 11P P=1.0X220MM R	O	O
102	CRYSTAL QUARTZ	XC501	5XE27M000J	27MHZ HC-49/U (RADIAL/SMD)	O	O
1	PCB REG AS	13000	9CDC061100	DV-215	O	O
2	PCB REG	B901	9CD6586700	80X130	O	O
3	C CERA	CC901~905	CCXF1H473Z	50V F 0.047MF Z (TAPPING)	O	O
4	C ELECTRO	CE901	CEXF1C102V	16V RSS 1000MF (10X20) TP	O	O
5	C ELECTRO	CE902	CEXF1E101V	25V RSS 100MF (6.3X11) TP	O	O
6	C ELECTRO	CE905	CEXF1C472C	RUS 16V 4700MF 16X35.5	O	O
7	C ELECTRO	CE906	CEXF1C471V	16V RSS 470MF (8X12)TP	O	O
8	C ELECTRO	CE907	CEXF1C222V	16V RSS 2200MF (16X31.5) TP	O	O
9	C ELECTRO	CE908	CEXF1E221V	25V RSS 220MF (8X11.5) TP	O	O
10	C ELECTRO	CE909~910	CEXF1E102V	25V RSS 1000MF (13X20) TP	O	O
11	C ELECTRO	CE911~912	CEXF1E101V	25V RSS 100MF (6.3X11) TP	O	O
12	C ELECTRO	CE913~918	CEXF1H470V	50V RSS 47MF (6.3X11) TP	O	O
13	C ELECTRO	CE919~920	CEXF1H109V	50V RSS 1MF (5X11) TP	O	O
14	C ELECTRO	CE921	CEXF1C472C	RUS 16V 4700MF 16X35.5	O	O
15	C ELECTRO	CE922	CEXF1C102V	16V RSS 1000MF (10X20) TP	O	O
16	C ELECTRO	CE923	CEXF1E470V	25V RSS 47MF (5X11) TP	O	O
17	C MYLAR	CM904~906	CMXM2A473J	100V 0.047MF J (TP)	O	O
18	C MYLAR	CM907~912	CMXM2A223J	100V 0.022MF J TP	O	O
19	CONN AS	CN903	9728815300	#22 3P-4P P=2.0, 5.0 200MM	O	O
20	CONN AS	CN907	9728814600	#22 4P P=2.0 200MM	O	O
21	CONN AS	CN993	9728814900	#22 6P P=2.0 150MM	O	O
22	CONN WAFER	CW901	9728808400	VH-2A WAFER	O	O
23	CONN WAFER	CW902	9728815500	WAFER P=2.5 (TJC307A)	O	O
24	CONN AS	CW903	9728814300	#26 8P PITCH 2.0 200MM BOARD IN	O	O
25	CONN AS	CW904	9728815200	#22 5P P=2.5 BOARD-IN 350MM	O	O
26	DIODE	D901~904	D1N4007---	IN4007	O	O
27	DIODE	D905	DZN4148---	1N4148 AUTO 52MM	O	O
28	DIODE	D906~916	D1N4007---	IN4007	O	O
29	DIODE	DB902	DKBPC806--	KBPC806	O	O
30	DIODE BRIDGE	DB903~904	D2W10L----	2W10L	O	O
31	DIODE ZENER	DZ901	DZTZ3R3B--	MTZ 3.3V B	O	O
32	DIODE ZENER	DZ902	DZTZ4R3B--	MTZ4.3B	O	O
33	DIODE ZENER	DZ903	DZTZ30B---	MTZ30B	O	O
34	TERMINAL GND	G981	9CD6450500	SNP 0.3T	O	O
35	IC REGULATOR	IC901~902	1K1A7805AP	K1A7805AP	O	O
36	IC	IC903	1KA378R05-	KA378R05	O	O
37	IC REGULATOR	IC904	1K1A7805AP	K1A7805AP	O	O
38	IC REGULATOR	IC905	1K1A7812AP	K1A7812AP	O	O
39	IC	IC906	1K1A7912AP	KIA7912AP (MOLD)	O	O
40	WIRE JUMPER	JW901~904	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	O	O
41	WIRE JUMPER	JW905	W581GY6095	AWG22 1/0.65 SN 6 AUTO	O	O
42	TR	Q901	TKRC107M--	KRC 107-M (TAPPING)	O	O
43	TRANSISTOR	Q902	TZTC3198Y-	KTC3198Y-(1815Y) (AUTO)	O	O
44	TR	Q903	TZTA1273Y-	KTA1273Y(966Y)	O	O

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	XD300	XD350
45	R CARBON FILM	R901	RD-4Z101J-	1/4 100 OHM J	O	O
46	R CARBON FILM	R903~904	RD-AZ472J-	1/6 4.7K OHM J	O	O
47	R CARBON FILM	R905	RD-AZ221J-	1/6 220 OHM J	O	O
48	R CARBON FILM	R906	RD-AZ223J-	1/6 22K OHM J	O	O
49	R CARBON FILM	R907	RD-4Z100J-	1/4 10 OHM J	O	O
50	R CARBON FILM	R908	RD-AZ332J-	1/6 3.3K OHM J	O	O
51	R CARBON FILM	R909	RD-AZ103J-	1/6 10K OHM J	O	O
52	R M-OXIDE FILM	R916~925	RS-4Z478J-	1/4 0.47 OHM J	O	O
1	PCB STANDBY AS	15000	9CDC061300	DV-215	O	O
2	CORD AC	AC991	9736908600	KE-25 H03VVH2-F 1820MM	O	O
3	PCB STANDBY	B981	9CD6586900	139X98	O	O
4	C CERA AC	CC982	CH1BFE472M	AC400V 4700PF M U/C/V	O	O
5	CONN AS	CN984	9728815200	#22 5P P=2.5 BOARD-IN 350MM	O	O
6	CONN WAFER	CW981	9728808100	GP390-03P-TS-M(W/O CENTER	O	O
7	CONN WAFER	CW982	9728815600	WAFER P=7.92 (VH792-03A WHIT	O	O
8	DIODE	D981	D1N4007---	IN4007	O	O
9	FUSE GLASS TUBE	F981	5FSGB2022L	SEMKO TL 2A 250V MF51	O	O
10	HOLDER FUSE CLIP	FC981~982	9734600800	PI5.2 - REEL	O	O
11	TRANS POWER SUB	PT981	5TP8028875	EI=28X12 230V 50HZ	O	O
12	TRANS POWER MAIN	PT991	5TP8066876	EI=66X80 230V 50HZ	O	O
13	SW RELAY	RY981	5SC2001A01	SDT-S-105LMR	O	O